WEST Search History

Hide Items Restore Clear Cancel

DATE: Thursday, July 15, 2004

Hide?	Set Name	Query	Hit Count
	DB=PGPE	B,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YE	ES; OP=ADJ
	L19	intramolecular chaperone	18
	L18	L16 AND intramolecular chaperone	0
	L17	L16 AND intramolecular chaparone	0
	L16	L15 AND human	1219
	L15	L14 AND L9	1378
	L14	insulin	56551
	L13	L12 AND L9	112
	L12	L11 AND insulin	1514
	L11	530/300,399.CCLS.	5009
	L10	L8 AND L9	21
	L9	growth homrone or somatotropin	2030
	L8	L7 AND insulin	2519
	L7	435/68.1,183.CCLS.	6330
	L6	Gan.IN.	2038
	L5	Gan-Z.IN.	30
	L4	Gan-Z-R.IN.	2
	L3	Gan-Zhong.IN.	0
	L2	Gan-Zhong-R.IN.	0
	L1	(Gan-Zhong-Ru.IN.)	4

END OF SEARCH HISTORY







Entres PubMed Nucleotide Protein PMC Genome Structure CMARA Journals Book Search PubMed Go for intramolecular chaperone Clear Y Clipboard Limits Preview/Index History Details About Entrez Display Summary Show: |500 ₩ Send to Text Items 1-120 of 120 One page. Text Version 1: Nemoto TK, Fukuma Y, Yamada S, Kobayakawa T, Ono T, Ohara- Related Articles, Links Entrez PubMed Overview The region adjacent to the highly immunogenic site and shielded by the Help | FAQ middle domain is responsible for self-oligomerization/client binding of the Tutorial HSP90 molecular chaperone. New/Noteworthy E-Utilities Biochemistry. 2004 Jun 15;43(23):7628-36. PMID: 15182205 [PubMed - in process] **PubMed Services 2:** [No authors listed] Journals Database Related Articles, Links MeSH Database [In Process Citation] Single Citation Matcher Mol Biol (Mosk). 2004 Mar-Apr;38(2):288-96. Russian. Batch Citation Matcher PMID: 15125234 [PubMed - in process] Clinical Queries LinkOut 3: Theriault JR, Lambert H, Chavez-Zobel AT, Charest G, Lavigne P. Related Articles, Links Cubby Landry J. Related Resources Essential role of the NH2-terminal WD/EPF motif in the phosphorylation-Order Documents activated protective function of mammalian Hsp27. **NLM Gateway** J Biol Chem. 2004 May 28;279(22):23463-71. Epub 2004 Mar 21. TOXNET PMID: 15033973 [PubMed - in process] Consumer Health Clinical Alerts 4: Lu H, Allen S, Wardleworth L, Savory P, Tokatlidis K. ClinicalTrials.gov Related Articles, Links PubMed Central Functional TIM10 chaperone assembly is redox-regulated in vivo. J Biol Chem. 2004 Apr 30;279(18):18952-8. Epub 2004 Feb 18. PMID: 14973127 [PubMed - indexed for MEDLINE] 5: Buczek O, Olivera BM, Bulaj G. Related Articles, Links Propeptide does not act as an intramolecular chaperone but facilitates protein disulfide isomerase-assisted folding of a conotoxin precursor. Biochemistry. 2004 Feb 3;43(4):1093-101. PMID: 14744155 [PubMed - indexed for MEDLINE] 6: Bissonnette L, Charest G, Longpre JM, Lavigne P, Leduc R. Related Articles, Links Identification of furin pro-region determinants involved in folding and activation. Biochem J. 2004 May 1;379(Pt 3):757-63. PMID: 14741044 [PubMed - in process] 7: Jorgensen CS, Ryder LR, Steino A, Hojrup P, Hansen J, Beyer NH, Related Articles, Links Heegaard NH, Houen G Dimerization and oligomerization of the chaperone calreticulin.

cb

h g e е e ch

Eur J Biochem. 2003 Oct;270(20):4140-8.

Biotechnol Bioeng. 2003 Nov 5;84(3):292-304.

fcg

8: Butz JA, Niebauer RT, Robinson AS.

PMID: 14519126 [PubMed - indexed for MEDLINE]

b e

Co-expression of molecular chaperones does not improve the heterologous expression of mammalian G-protein coupled receptor expression in yeast.

Related Articles, Links

h

ch

h g

e e

e fcg

e ch

b e

PMID: 12968283 [PubMed - indexed for MEDLINE] Gelinas AD, Toth J, Bethoney KA, Langsetmo K, Stafford WF, Related Articles, Links Harrison CJ. Thermodynamic linkage in the GrpE nucleotide exchange factor, a molecular thermosensor. Biochemistry. 2003 Aug 5;42(30):9050-9. PMID: 12885238 [PubMed - indexed for MEDLINE] 10: Allen S, Lu H, Thornton D, Tokatlidis K. Related Articles, Links Juxtaposition of the two distal CX3C motifs via intrachain disulfide bonding is essential for the folding of Tim10. J Biol Chem. 2003 Oct 3;278(40):38505-13. Epub 2003 Jul 25. PMID: 12882976 [PubMed - indexed for MEDLINE] 11: Takagi H, Takahashi M. Related Articles, Links A new approach for alteration of protease functions: pro-sequence engineering. Appl Microbiol Biotechnol. 2003 Nov;63(1):1-9. Epub 2003 Jul 15. Review. PMID: 12879301 [PubMed - indexed for MEDLINE] 12: Bhattacharyya J. Santhoshkumar P. Sharma KK. Related Articles, Links A peptide sequence-YSGVCHTDLHAWHGDWPLPVK [40-60]-in yeast alcohol dehydrogenase prevents the aggregation of denatured substrate proteins. Biochem Biophys Res Commun. 2003 Jul 18;307(1):1-7. PMID: 12849973 [PubMed - indexed for MEDLINE] 13: Firbank SJ, Rogers M, Hurtado-Guerrero R, Dooley DM, Halcrow Related Articles, Links MA, Phillips SE, Knowles PF, McPherson MJ. Cofactor processing in galactose oxidase. Biochem Soc Trans. 2003 Jun;31(Pt 3):506-9. Review. PMID: 12773145 [PubMed - indexed for MEDLINE] 14: Tanioka T, Nakatani Y, Kobayashi T, Tsujimoto M. Oh-ishi S, Related Articles, Links Murakami M, Kudo I Regulation of cytosolic prostaglandin E2 synthase by 90-kDa heat shock protein. Biochem Biophys Res Commun. 2003 Apr 18;303(4):1018-23. PMID: 12684036 [PubMed - indexed for MEDLINE] 15: Oliver DC, Huang G, Nodel E, Pleasance S, Fernandez RC. Related Articles, Links A conserved region within the Bordetella pertussis autotransporter BrkA is necessary for folding of its passenger domain. Mol Microbiol. 2003 Mar; 47(5): 1367-83. PMID: 12603741 [PubMed - indexed for MEDLINE] 16: Tang B, Nirasawa S, Kitaoka M, Marie-Claire C, Hayashi K. Related Articles, Links General function of N-terminal propeptide on assisting protein folding and inhibiting catalytic activity based on observations with a chimeric thermolysin-like protease. Biochem Biophys Res Commun. 2003 Feb 21;301(4):1093-8. PMID: 12589825 [PubMed - indexed for MEDLINE] 17: Yabuta Y, Subbian E, Oiry C, Shinde U. Related Articles, Links Folding pathway mediated by an intramolecular chaperone. A functional peptide chaperone designed using sequence databases. J Biol Chem. 2003 Apr 25;278(17):15246-51. Epub 2003 Feb 11. PMID: 12582173 [PubMed - indexed for MEDLINE]

h

ch

h g

e e

e fcg

e ch

b e

18: Muhlenhoff M. Stummeyer K, Grove M, Sauerborn M, Gerardy-Related Articles, Links Schahn R. Proteolytic processing and oligomerization of bacteriophage-derived endosialidases. J Biol Chem. 2003 Apr 11;278(15):12634-44. Epub 2003 Jan 29. PMID: 12556457 [PubMed - indexed for MEDLINE] 19: Mikolajczyk J, Boatright KM, Stennicke HR, Nazif T, Potempa J. Related Articles, Links Bogyo M, Salvesen GS. Sequential autolytic processing activates the zymogen of Arg-gingipain. J Biol Chem. 2003 Mar 21;278(12):10458-64. Epub 2003 Jan 17. PMID: 12533545 [PubMed - indexed for MEDLINE] 20: Meadows JW, Eis AL, Brockman DE, Myatt L. Related Articles, Links Expression and localization of prostaglandin E synthase isoforms in human fetal membranes in term and preterm labor. J Clin Endocrinol Metab. 2003 Jan;88(1):433-9. PMID: 12519887 [PubMed - indexed for MEDLINE] 21: Graf PC, Jakob U. Related Articles, Links Redox-regulated molecular chaperones. Cell Mol Life Sci. 2002 Oct;59(10):1624-31. Review. PMID: 12475172 [PubMed - indexed for MEDLINE] 22: Vangelista L, Cesco-Gaspere M, Lamba D, Burrone O. Related Articles, Links Efficient folding of the FcepsilonRI alpha-chain membrane-proximal domain D2 depends on the presence of the N-terminal domain D1. J Mol Biol. 2002 Sep 27,322(4):815-25. PMID: 12270716 [PubMed - indexed for MEDLINE] 23: Rosenberg JB, Haberichter SL, Jozwiak MA, Vokac EA, Kroner Related Articles, Links PA, Fahs SA, Kawai Y, Montgomery RR. The role of the D1 domain of the von Willebrand factor propeptide in multimerization of VWF. Blood. 2002 Sep 1;100(5):1699-706. PMID: 12176890 [PubMed - indexed for MEDLINE] 24: Balasubramanian D, Kanwar R. Related Articles, Links Molecular pathology of dityrosine cross-links in proteins: structural and functional analysis of four proteins. Mol Cell Biochem. 2002 May-Jun;234-235(1-2):27-38. PMID: 12162443 [PubMed - indexed for MEDLINE] 25: Tanksale A, Ghatge M, Deshpande V. Related Articles, Links Alpha-crystallin binds to the aggregation-prone molten-globule state of alkaline protease: implications for preventing irreversible thermal denaturation. Protein Sci. 2002 Jul;11(7):1720-8. PMID: 12070325 [PubMed - indexed for MEDLINE] 26: Jacob R, Purschel B, Naim HY. Related Articles, Links Sucrase is an intramolecular chaperone located at the C-terminal end of the sucrase-isomaltase enzyme complex. J Biol Chem. 2002 Aug 30;277(35):32141-8. Epub 2002 Jun 07. PMID: 12055199 [PubMed - indexed for MEDLINE] 27: Chen LM, Yang XW, Tang JG. Related Articles, Links Acidic residues on the N-terminus of proinsulin C-Peptide are important



for the folding of insulin precursor.
J Biochem (Tokyo). 2002 Jun;131(6):855-9.

PMID: 12038982 [PubMed - indexed for MEDLINE]

1. 28: Sasakawa H. Yoshinaga S, Kojima S, Tamura A.

Related Articles, Links



Structure of POIA1, a homologous protein to the propeptide of subtilisin: implication for protein foldability and the function as an intramolecular chaperone.

J Mol Biol. 2002 Mar 15;317(1):159-67.

PMID: 11916386 [PubMed - indexed for MEDLINE]

29: Han R. Tsui S. Smith TJ.

Related Articles, Links



Up-regulation of prostaglandin E2 synthesis by interleukin-1beta in human orbital fibroblasts involves coordinate induction of prostaglandin-endoperoxide H synthase-2 and glutathione-dependent prostaglandin E2 synthase expression.

J Biol Chem. 2002 May 10;277(19):16355-64. Epub 2002 Feb 14.

PMID: 11847219 [PubMed - indexed for MEDLINE]

30: Anderson ED, Molloy SS, Jean F, Fei H, Shimamura S, Thomas G. Related Articles, Links



The ordered and compartment-specific autoproteolytic removal of the furin intramolecular chaperone is required for enzyme activation.

J Biol Chem. 2002 Apr 12;277(15):12879-90. Epub 2002 Jan 17.

PMID: 11799113 [PubMed - indexed for MEDLINE]

31: Yabuta Y, Subbian E, Takagi H, Shinde U, Inouye M.

Related Articles, Links



Folding pathway mediated by an intramolecular chaperone: dissecting conformational changes coincident with autoprocessing and the role of Ca (2+) in subtilisin maturation.

J Biochem (Tokyo). 2002 Jan;131(1):31-7.

PMID: 11754732 [PubMed - indexed for MEDLINE]

32: Jacob R, Peters K, Naim HY.

Related Articles, Links



The prosequence of human lactase-phlorizin hydrolase modulates the folding of the mature enzyme.

J Biol Chem. 2002 Mar 8;277(10):8217-25. Epub 2001 Dec 18. PMID: 11751874 [PubMed - indexed for MEDLINE]

33: Lesage G, Tremblay M, Guimond J, Boileau G.

Related Articles, Links



Mechanism of Kex2p inhibition by its proregion. FEBS Lett. 2001 Nov 23;508(3):332-6.

PMID: 11728446 [PubMed - indexed for MEDLINE]

134: Jaenicke R, Slingsby C.

Related Articles, Links



Lens crystallins and their microbial homologs: structure, stability, and function.

Crit Rev Biochem Mol Biol. 2001;36(5):435-99. Review. PMID: 11724156 [PubMed - indexed for MEDLINE]

35: Zimmer C, von Gabain A, Henics T.

fcg

Related Articles, Links



Analysis of sequence-specific binding of RNA to Hsp70 and its various homologs indicates the involvement of N- and C-terminal interactions. RNA. 2001 Nov;7(11):1628-37.

PMID: 11720291 [PubMed - indexed for MEDLINE]

Takagi H, Koga M, Katsurada S, Yabuta Y, Shinde U, Inouye M. Related Articles, Links Nakamori S.



Functional analysis of the propeptides of subtilisin E and aqualysin I as intramolecular chaperones.

FEBS Lett. 2001 Nov 16;508(2):210-4.

PMID: 11718717 [PubMed - indexed for MEDLINE]

37: Pavlaki M. Cao J. Hymowitz M. Chen WT. Bahou W. Zueker S. Related Articles, Links



A conserved sequence within the propeptide domain of membrane type 1 matrix metalloproteinase is critical for function as an intramolecular

J Biol Chem. 2002 Jan 25;277(4):2740-9. Epub 2001 Nov 09.

PMID: 11704671 [PubMed - indexed for MEDLINE]

1 38: Toyofuku K, Wada I, Valencia JC, Kushimoto T, Ferrans VJ. Hearing VJ

Related Articles, Links



Oculocutaneous albinism types 1 and 3 are ER retention diseases: mutation of tyrosinase or Tyrp1 can affect the processing of both mutant and wildtype proteins.

FASEB J. 2001 Oct;15(12):2149-61.

PMID: 11641241 [PubMed - indexed for MEDLINE]

39: Tanaka E. Nemoto TK, Ono T.

Related Articles, Links



Liberation of the intramolecular interaction as the mechanism of heatinduced activation of HSP90 molecular chaperone.

Eur J Biochem. 2001 Oct;268(20):5270-7.

PMID: 11606188 [PubMed - indexed for MEDLINE]

40: Koh JY, Hajek P, Bedwell DM.

Related Articles, Links



Overproduction of PDR3 suppresses mitochondrial import defects associated with a TOM70 null mutation by increasing the expression of TOM72 in Saccharomyces cerevisiae.

Mol Cell Biol. 2001 Nov;21(22):7576-86.

PMID: 11604494 [PubMed - indexed for MEDLINE]

1 41: Rong L. Liang C, Hsu M, Guo X, Roques BP, Wainberg MA

Related Articles, Links



HIV-1 nucleocapsid protein and the secondary structure of the binary complex formed between tRNA(Lys.3) and viral RNA template play different roles during initiation of (-) strand DNA reverse transcription. J Biol Chem. 2001 Dec 14;276(50):47725-32. Epub 2001 Oct 15. PMID: 11602578 [PubMed - indexed for MEDLINE]

42: Ben-Zvi AP, Goloubinoff P.

Related Articles, Links



Review: mechanisms of disaggregation and refolding of stable protein aggregates by molecular chaperones.

J Struct Biol. 2001 Aug; 135(2):84-93. Review. PMID: 11580258 [PubMed - indexed for MEDLINE]

43: Yabuta Y, Takagi H, Inouye M, Shinde U.

Related Articles, Links



Folding pathway mediated by an intramolecular chaperone: propeptide release modulates activation precision of pro-subtilisin. J Biol Chem. 2001 Nov 30;276(48):44427-34. Epub 2001 Sep 27.

PMID: 11577106 [PubMed - indexed for MEDLINE]

1 44: Kojima S. Yanai H. Miura K.

Related Articles, Links



Accelerated refolding of subtilisin BPN' by tertiary-structure-forming mutants of its propeptide.

J Biochem (Tokyo). 2001 Oct;130(4):471-4.

PMID: 11574065 [PubMed - indexed for MEDLINE]

		9
□ 4	5: Coutte L, Antoine R, Drobecq H, Locht C, Jacob-Dubuisson F.	Related Articles, Links
	Subtilisin-like autotransporter serves as maturation pr secretion pathway. EMBO J. 2001 Sep 17;20(18):5040-8. PMID: 11566869 [PubMed - indexed for MEDLINE]	otease in a bacterial
□ 4	6: Conesa A, Weelink G, van den Hondel CA, Punt PJ	Related Articles, Links
	C-terminal propeptide of the Caldariomyces fumago of intramolecular chaperone? FEBS Lett. 2001 Aug 17;503(2-3):117-20. PMID: 11513866 [PubMed - indexed for MEDLINE]	
1 4	7: Sapriel G.	Related Articles, Links
	Prion model in yeast. Res Microbiol. 2001 Jul-Aug;152(6):531-8. Review. PMID: 11501671 [PubMed - indexed for MEDLINE]	
□ 48	3: Katiyar S, Till EA, Lennarz WJ.	Related Articles, Links
	Studies on the function of yeast protein disulfide isom of proteins. Biochim Biophys Acta. 2001 Jul 9;1548(1):47-56. PMID: 11451437 [PubMed - indexed for MEDLINE]	erase in renaturation
∏ 49	: Takahashi S, Ueda M, Tanaka A.	Phalada de de la como
	Function of the prosequence for in vivo folding and ser Rhizopus oryzae lipase in Saccharomyces cerevisiae. Appl Microbiol Biotechnol. 2001 May;55(4):454-62. PMID: 11398926 [PubMed - indexed for MEDLINE]	Related Articles, Links cretion of active
□ 50	: Taylor P, Dornan J, Carrello A, Minchin RF, Ratajczak T, Walkinshaw MD	Related Articles, Links
	Two structures of cyclophilin 40: folding and fidelity in Structure (Camb). 2001 May 9;9(5):431-8. PMID: 11377203 [PubMed - indexed for MEDLINE]	n the TPR domains.
□ 51	Graumann J, Lilie H, Tang X, Tucker KA, Hoffmann JH, Vijayalakshmi J, Saper M, Bardwell JC, Jakob U.	Related Articles, Links
	Activation of the redox-regulated molecular chaperone mechanism. Structure (Camb). 2001 May 9;9(5):377-87. PMID: 11377198 [PubMed - indexed for MEDLINE]	Hsp33a two-step
□ 52:	Arias-Salgado EG, Butta N, Gonzalez-Manchon C, Larrucea S, Ayuso MS, Parrilla R.	Related Articles, Links
	Competition between normal [674C] and mutant [674R the molecular chaperone BiP in the processing of GPIIb Blood. 2001 May 1;97(9):2640-7. PMID: 11313253 [PubMed - indexed for MEDLINE]] subunits: role of -IIIa complexes.
□ 53:	Inouye M, Fu X, Shinde U.	Related Articles, Links
	Substrate-induced activation of a trapped IMC-mediated intermediate. Nat Struct Biol. 2001 Apr;8(4):321-5. PMID: 11276251 [PubMed - indexed for MEDLINE]	
□ 54:	Gutgsell N. Englund N. Niu L. Kaya Y. Lane BG, Ofengand J.	Related Articles, Links
	Deletion of the Escherichia coli pseudouridine synthase formation of pseudouridine 55 in tRNA in vivo, does no	gene truB blooks
	_	

e fcg

growth, but confers a strong selective disadvantage in competition with wild-type cells. RNA. 2000 Dec;6(12):1870-81. PMID: 11142385 [PubMed - indexed for MEDLINE] 55: Marie-Claire C, Yabuta Y, Sucfuji K, Matsuzawa H, Shinde U. Related Articles, Links Folding pathway mediated by an intramolecular chaperone: the structural and functional characterization of the aqualysin I propeptide. J Mol Biol. 2001 Jan 5;305(1):151-65. PMID: 11114254 [PubMed - indexed for MEDLINE] 56: Ma B, Tsai CJ, Nussinov R. Related Articles, Links Binding and folding: in search of intramolecular chaperone-like building block fragments. Protein Eng. 2000 Sep;13(9):617-27. PMID: 11054456 [PubMed - indexed for MEDLINE] 57: Braun P, Bitter W, Tommassen J. Related Articles, Links Activation of Pseudomonas aeruginosa elastase in Pseudomonas putida by triggering dissociation of the propeptide-enzyme complex. Microbiology. 2000 Oct;146 (Pt 10):2565-72. PMID: 11021931 [PubMed - indexed for MEDLINE] 58: Cigic B, Dahl SW, Pain RH. Related Articles, Links The residual pro-part of cathepsin C fulfills the criteria required for an intramolecular chaperone in folding and stabilizing the human proenzyme. Biochemistry. 2000 Oct 10;39(40):12382-90. PMID: 11015218 [PubMed - indexed for MEDLINE] 59: Okamura S, Urakami K, Kimata M, Aoshima T, Shimamoto S, Related Articles, Links Moriyama R. Makino S. The N-terminal prepeptide is required for the production of spore cortexlytic enzyme from its inactive precursor during germination of Clostridium perfringens S40 spores. Mol Microbiol. 2000 Aug;37(4):821-7. PMID: 10972804 [PubMed - indexed for MEDLINE] 60: Creemers JW, van de Loo JW, Plets E, Hendershot LM, Van De Related Articles, Links Ven WJ Binding of BiP to the processing enzyme lymphoma proprotein convertase prevents aggregation, but slows down maturation. J Biol Chem. 2000 Dec 8;275(49):38842-7. PMID: 10964928 [PubMed - indexed for MEDLINE] 61: Cao J, Hymowitz M, Conner C, Bahou WF, Zucker S. Related Articles, Links The propeptide domain of membrane type 1-matrix metalloproteinase acts as an intramolecular chaperone when expressed in trans with the mature sequence in COS-1 cells. J Biol Chem. 2000 Sep 22;275(38):29648-53. PMID: 10889191 [PubMed - indexed for MEDLINE] 62: Wiederanders B. Related Articles, Links The function of propeptide domains of cysteine proteinases. Adv Exp Med Biol. 2000;477:261-70. PMID: 10849753 [PubMed - indexed for MEDLINE] 1 63: Lesage G. Prat A. Lacombe J. Thomas DY, Seidah NG, Boileau G. Related Articles, Links The Kex2p proregion is essential for the biosynthesis of an active enzyme

cb



and requires a C-terminal basic residue for its function.

Mol Biol Cell. 2000 Jun;11(6):1947-57.

PMID: 10848621 [PubMed - indexed for MEDLINE]

64: Fu X, Inouve M, Shinde U.

Related Articles, Links



Folding pathway mediated by an intramolecular chaperone. The inhibitory and chaperone functions of the subtilisin propeptide are not obligatorily linked

J Biol Chem. 2000 Jun 2;275(22):16871-8.

PMID: 10828069 [PubMed - indexed for MEDLINE]

65: Hidaka Y, Shimono C, Ohno M, Okumura N, Adermann K. Forssmann WG, Shimonishi Y

Related Articles, Links



Dual function of the propeptide of prouroguanylin in the folding of the mature peptide: disulfide-coupled folding and dimerization.

J Biol Chem. 2000 Aug 18;275(33):25155-62.

PMID: 10827170 [PubMed - indexed for MEDLINE]

66: Barbirz S, Jakob U, Glocker MO.

Related Articles, Links



Mass spectrometry unravels disulfide bond formation as the mechanism that activates a molecular chaperone.

J Biol Chem. 2000 Jun 23;275(25):18759-66.

PMID: 10764757 [PubMed - indexed for MEDLINE]

67: Kundu B. Guptasarma P.

Related Articles, Links



Hydrophobic dye inhibits aggregation of molten carbonic anhydrase during thermal unfolding and refolding.

Proteins. 1999 Nov 15;37(3):321-4.

PMID: 10591093 [PubMed - indexed for MEDLINE]

68: Zhong M, Munzer JS, Basak A, Benjannet S, Mowla SJ, Decroly Related Articles, Links E, Chretien M, Seidah NG.



The prosegments of furin and PC7 as potent inhibitors of proprotein convertases. In vitro and ex vivo assessment of their efficacy and selectivity.

J Biol Chem. 1999 Nov 26;274(48):33913-20.

PMID: 10567353 [PubMed - indexed for MEDLINE]

69: Tanaka J. Ihara F. Nihira T. Yamada Y.

Related Articles, Links



A low-Mr lipase activation factor cooperating with lipase modulator protein LimL in Pseudomonas sp. strain 109. Microbiology. 1999 Oct;145 (Pt 10):2875-80.

PMID: 10537209 [PubMed - indexed for MEDLINE]

70: Yamamoto Y, Watabe S, Kageyama T, Takahashi SY.

Related Articles, Links



Proregion of Bombyx mori cysteine proteinase functions as an intramolecular chaperone to promote proper folding of the mature enzyme. Arch Insect Biochem Physiol. 1999 Nov;42(3):167-78.

PMID: 10536045 [PubMed - indexed for MEDLINE]

71: Frydman J. Erdjument-Bromage H. Tempst P. Hartl FU.

Related Articles, Links



Co-translational domain folding as the structural basis for the rapid de novo folding of firefly luciferase.

Nat Struct Biol. 1999 Jul;6(7):697-705.

PMID: 10404229 [PubMed - indexed for MEDLINE]

72: Nirasawa S. Nakajima Y. Zhang ZZ, Yoshida M, Hayashi K.

Related Articles, Links

Intramolecular chaperone and inhibitor activities of a propeptide from a

cb

bacterial zinc aminopeptidase. Biochem J. 1999 Jul 1;341 (Pt 1):25-31. PMID: 10377241 [PubMed - indexed for MEDLINE] 73: Morshauser RC, Hu W, Wang H, Pang Y, Flynn GC, Zuiderweg Related Articles, Links High-resolution solution structure of the 18 kDa substrate-binding domain of the mammalian chaperone protein Hsc70. J Mol Biol. 1999 Jun 25;289(5):1387-403. PMID: 10373374 [PubMed - indexed for MEDLINE] 74: Shinde U, Fu X, Inouye M. Related Articles, Links A pathway for conformational diversity in proteins mediated by intramolecular chaperones. J Biol Chem. 1999 May 28;274(22):15615-21. PMID: 10336458 [PubMed - indexed for MEDLINE] 75: Minegishi Y, Hendershot LM, Conley MF. Related Articles, Links Novel mechanisms control the folding and assembly of lambda5/14.1 and VpreB to produce an intact surrogate light chain. Proc Natl Acad Sci U S A. 1999 Mar 16;96(6):3041-6. PMID: 10077633 [PubMed - indexed for MEDLINE] 76: Meacham GC, Lu Z, King S, Sorscher E, Tousson A, Cyr DM. Related Articles, Links The Hdj-2/Hsc70 chaperone pair facilitates early steps in CFTR biogenesis. EMBO J. 1999 Mar 15;18(6):1492-505. PMID: 10075921 [PubMed - indexed for MEDLINE] 77: Marie-Claire C, Ruffet E, Beaumont A, Roques BP Related Articles, Links The prosequence of thermolysin acts as an intramolecular chaperone when expressed in trans with the mature sequence in Escherichia coli. J Mol Biol. 1999 Feb 5;285(5):1911-5. PMID: 9925774 [PubMed - indexed for MEDLINE] 78: Minning DM, Goldberg DE Related Articles, Links Determinants of Ascaris hemoglobin octamer formation. J Biol Chem. 1998 Dec 4;273(49):32644-9. PMID: 9830004 [PubMed - indexed for MEDLINE] 79: Richarme G. Related Articles, Links Protein-disulfide isomerase activity of elongation factor EF-Tu. Biochem Biophys Res Commun. 1998 Nov 9;252(1):156-61.

PMID: 9813162 [PubMed - indexed for MEDLINE]

80: Gotz F, Verheij HM, Rosenstein R.

Related Articles, Links

Staphylococcal lipases: molecular characterisation, secretion, and processing.

Chem Phys Lipids. 1998 Jun;93(1-2):15-25. Review. PMID: 9720246 [PubMed - indexed for MEDLINE]

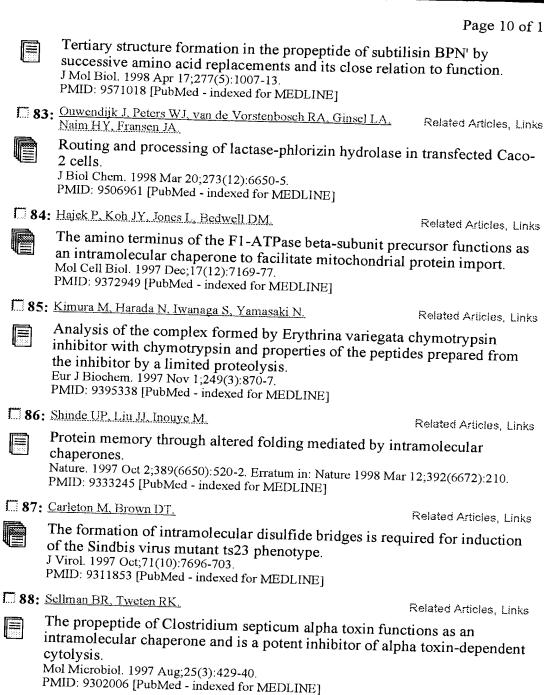
81: Feller G, D'Amico S, Benotmane AM, Joly F, Van Becumen J. Gerday C. Related Articles, Links

Characterization of the C-terminal propeptide involved in bacterial wall spanning of alpha-amylase from the psychrophile Alteromonas haloplanctis.

J Biol Chem. 1998 May 15;273(20):12109-15. PMID: 9575155 [PubMed - indexed for MEDLINE]

82: Kojima S, Minagawa T, Miura K.

Related Articles, Links



89: Spiess C, Happersberger HP, Glocker MO, Spiess E, Rippe K, Ehrmann M. Related Articles, Links

Biochemical characterization and mass spectrometric disulfide bond mapping of periplasmic alpha-amylase MalS of Escherichia coli.

J Biol Chem. 1997 Aug 29;272(35):22125-33. PMID: 9268356 [PubMed - indexed for MEDLINE]

90: Kojima S. Minagawa T. Miura K.

Related Articles, Links

The propeptide of subtilisin BPN' as a temporary inhibitor and effect of an amino acid replacement on its inhibitory activity. FEBS Lett. 1997 Jul 7;411(1):128-32. PMID: 9247157 [PubMed - indexed for MEDLINE]

51: Schmidt M. Schmidtke G. Kloetzel PM.

Related Articles, Links

Structure and structure formation of the 20S proteasome. Mol Biol Rep. 1997 Mar;24(1-2):103-12. Review. PMID: 9228290 [PubMed - indexed for MEDLINE] 92: Nagamune K, Yamamoto K, Honda T. Related Articles, Links Intramolecular chaperone activity of the pro-region of Vibrio cholerae El Tor cytolysin. J Biol Chem. 1997 Jan 10;272(2):1338-43. PMID: 8995441 [PubMed - indexed for MEDLINE] 93: Rozema D. Gellman SH. Related Articles, Links Artificial chaperone-assisted refolding of denatured-reduced lysozyme: modulation of the competition between renaturation and aggregation. Biochemistry. 1996 Dec 10;35(49):15760-71. PMID: 8961939 [PubMed - indexed for MEDLINE] 594: Li Y, Inouye M. Related Articles, Links The mechanism of autoprocessing of the propeptide of prosubtilisin E: intramolecular or intermolecular event? J Mol Biol. 1996 Oct 11;262(5):591-4. PMID: 8876639 [PubMed - indexed for MEDLINE] 95: Ohnishi Y, Horinouchi S. Related Articles, Links Extracellular production of a Serratia marcescens serine protease in Escherichia coli. Biosci Biotechnol Biochem. 1996 Oct;60(10):1551-8. Review. PMID: 8987650 [PubMed - indexed for MEDLINE] 96: Yamaguchi H, Uchida M Related Articles, Links A chaperone-like function of intramolecular high-mannose chains in the oxidative refolding of bovine pancreatic RNase B. J Biochem (Tokyo). 1996 Sep;120(3):474-7. PMID: 8902606 [PubMed - indexed for MEDLINE] 797: Plotnikov AN, Vasilenko KS, Kirkitadze MD, Kotova NV, Motuz Related Articles, Links LP, Korotkov KV, Semisotnov GV, Alakhov IuB [Biosynthesis and conformational state of 17-kDa and 27-kDa N-terminal fragments of elongation factor EF-2 in solution] Bioorg Khim. 1996 Jul;22(7):489-502. Russian. PMID: 8992954 [PubMed - indexed for MEDLINE] 98: Wetmore DR, Hardman KD. Related Articles, Links Roles of the propeptide and metal ions in the folding and stability of the catalytic domain of stromelysin (matrix metalloproteinase 3). Biochemistry. 1996 May 28;35(21):6549-58. PMID: 8639603 [PubMed - indexed for MEDLINE] 99: Gietl C. Seidel C, Svendsen I. Related Articles, Links Plant glyoxysomal but not mitochondrial malate dehydrogenase can fold without chaperone assistance. Biochim Biophys Acta. 1996 May 20;1274(1-2):48-58. PMID: 8645694 [PubMed - indexed for MEDLINE] 100: Renauld-Mongenie G. Cornette J. Mielcarek N. Menozzi FD. Related Articles, Links Locht C Distinct roles of the N-terminal and C-terminal precursor domains in the

h

J Bacteriol. 1996 Feb;178(4):1053-60.

biogenesis of the Bordetella pertussis filamentous hemagglutinin.

PMID: 8576038 [PubMed - indexed for MEDLINE]

101: <u>Dubuisson J. Rice CM.</u>

Related Articles, Links



Hepatitis C virus glycoprotein folding: disulfide bond formation and association with calnexin.

J Virol. 1996 Feb;70(2):778-86.

PMID: 8551615 [PubMed - indexed for MEDLINE]

102: Braun P, Tommassen J, Filloux A.

Related Articles, Links



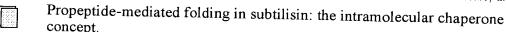
Role of the propeptide in folding and secretion of elastase of Pseudomonas aeruginosa.

Mol Microbiol. 1996 Jan; 19(2):297-306.

PMID: 8825775 [PubMed - indexed for MEDLINE]

103: Shinde U, Inouve M.

Related Articles, Links



Adv Exp Med Biol. 1996;379:147-54. Review. No abstract available. PMID: 8796319 [PubMed - indexed for MEDLINE]

104: McIver KS, Kessler E, Olson JC, Ohman DE.

Related Articles, Links



The elastase propeptide functions as an intramolecular chaperone required for elastase activity and secretion in Pseudomonas aeruginosa. Mol Microbiol. 1995 Dec;18(5):877-89.

PMID: 8825092 [PubMed - indexed for MEDLINE]

105: Li Y, Hu Z, Jordan F, Inouye M.

Related Articles, Links



Functional analysis of the propeptide of subtilisin E as an intramolecular chaperone for protein folding. Refolding and inhibitory abilities of propeptide mutants.

J Biol Chem. 1995 Oct 20;270(42):25127-32.

PMID: 7559646 [PubMed - indexed for MEDLINE]

106: Shinde U. Inouve M.

Related Articles, Links



Folding pathway mediated by an intramolecular chaperone: characterization of the structural changes in pro-subtilisin E coincident with autoprocessing.

J Mol Biol. 1995 Sep 8;252(1):25-30.

PMID: 7666430 [PubMed - indexed for MEDLINE]

107: Jacob R. Bulleid NJ. Naim HY.

Related Articles, Links



Folding of human intestinal lactase-phlorizin hydrolase. J Biol Chem. 1995 Aug 4;270(31):18678-84.

PMID: 7629200 [PubMed - indexed for MEDLINE]

108: Chen YG. Danoff A, Shields D.

Related Articles, Links



The propeptide of anglerfish preprosomatostatin-I rescues prosomatostatin-II from intracellular degradation. Ĵ Biol Chem. 1995 Aug 4;270(31):18598-605.

PMID: 7629190 [PubMed - indexed for MEDLINE]

109: Ou WJ, Bergeron JJ, Li Y, Kang CY, Thomas DY

Related Articles, Links



Conformational changes induced in the endoplasmic reticulum luminal domain of calnexin by Mg-ATP and Ca2+.

J Biol Chem. 1995 Jul 28;270(30):18051-9.

PMID: 7629114 [PubMed - indexed for MEDLINE]

Shinde U, Inouye M.

Related Articles, Links

110: Folding mediated by an intramolecular chaperone: autoprocessing pathway of the precursor resolved via a substrate assisted catalysis mechanism J Mol Biol. 1995 Mar 31;247(3):390-5. PMID: 7714895 [PubMed - indexed for MEDLINE] 111: Naim HY, Jacob R. Naim H, Sambrook JF, Gething MJ Related Articles, Links The pro region of human intestinal lactase-phlorizin hydrolase. J Biol Chem. 1994 Oct 28;269(43):26933-43. Erratum in: J Biol Chem 1994 Jan 13;270 PMID: 7523415 [PubMed - indexed for MEDLINE] 112: Sagherian C. Thorner P. Mahuran D. Related Articles, Links The pro-peptide of the pro beta-polypeptide chain of human betahexosaminidase is necessary for proper protein folding and exit from the endoplasmic reticulum. Biochem Biophys Res Commun. 1994 Oct 14;204(1):135-41. PMID: 7945351 [PubMed - indexed for MEDLINE] 113: Szepanski S, Veit M, Pleschka S, Klenk HD, Schmidt MF, Related Articles, Links Herrler G. Post-translational folding of the influenza C virus glycoprotein HEF: defective processing in cells expressing the cloned gene. J Gen Virol. 1994 May;75 (Pt 5):1023-30. PMID: 8176364 [PubMed - indexed for MEDLINE] 114: Cyr DM, Douglas MG. Related Articles, Links Differential regulation of Hsp70 subfamilies by the eukaryotic DnaJ homologue YDJ1. J Biol Chem. 1994 Apr 1;269(13):9798-804. PMID: 8144572 [PubMed - indexed for MEDLINE] 115: Hu Z, Zhu X, Jordan F, Inouye M. Related Articles, Links A covalently trapped folding intermediate of subtilisin E: spontaneous dimerization of a prosubtilisin E Ser49Cys mutant in vivo and its autoprocessing in vitro. Biochemistry. 1994 Jan 18;33(2):562-9. PMID: 8286386 [PubMed - indexed for MEDLINE] 116: Oberholzer T. Mantei N. Semenza G. Related Articles, Links The pro sequence of lactase-phlorizin hydrolase is required for the enzyme to reach the plasma membrane. An intramolecular chaperone? FEBS Lett. 1993 Oct 25;333(1-2):127-31. PMID: 8224150 [PubMed - indexed for MEDLINE] 117: Shinde U, Li Y, Chatterjee S, Inouye M. Related Articles, Links Folding pathway mediated by an intramolecular chaperone. Proc Natl Acad Sci U S A. 1993 Aug 1;90(15):6924-8. PMID: 8346198 [PubMed - indexed for MEDLINE] 118: Kobayashi T. Inouye M. Related Articles, Links Functional analysis of the intramolecular chaperone. Mutational hot spots in the subtilisin pro-peptide and a second-site suppressor mutation within the subtilisin molecule. J Mol Biol. 1992 Aug 20;226(4):931-3.

PMID: 1355566 [PubMed - indexed for MEDLINE]

119: Ohta Y, Hojo H, Aimoto S, Kobayashi T, Zhu X, Jordan F, Related Articles, Links Inouye M Pro-peptide as an intramolecular chaperone: renaturation of denatured subtilisin E with a synthetic pro-peptide [corrected] Mol Microbiol. 1991 Jun;5(6):1507-10. Erratum in: Mol Microbiol 1991 Dec;5 (12):3090.PMID: 1686294 [PubMed - indexed for MEDLINE] 120: Inouye M. Related Articles, Links Intramolecular chaperone: the role of the pro-peptide in protein folding. Enzyme. 1991;45(5-6):314-21. Review. PMID: 1688202 [PubMed - indexed for MEDLINE] Display Summary Show: 500 Sort Send to Text

Write to the Help Desk

NCBI | NLM | NIH

Department of Health & Human Services

Privacy Statement | Freedom of Information Act | Disclaimer

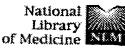
Items 1-120 of 120

Jul 8 2004 06:47:02

One page.







Entrez PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Book Search PubMed for somatotrophin AND human insulin AND chimera Clear Ga Limits Preview/Index History Clipboard Details

About Entrez

Text Version

Entrez PubMed Overview Help j FAQ Tutorial New/Noteworthy E-Utilities

PubMed Services
Journals Database
MeSH Database
Single Citation Matcher
Batch Citation Matcher
Clinical Queries
LinkOut
Cubby

Related Resources
Order Documents
NLM Gateway
TOXNET
Consumer Health
Clinical Alerts
ClinicalTrials.gov
PubMed Central

Display Summary Show: 500 Sort Send to Text ✓ Summary Items 1-2 of 2

1: Ohkubo K, Naito Y, Fujiwara T, Miyazaki J, Ikehara Y, Ono J.

Related Articles, Links

Inhibitory effect of the alpha1-antitrypsin Pittsburgh type-mutant (alpha1-PIM/R) on proinsulin processing in the regulated secretory pathway of the pancreatic beta-cell line MIN6. Endoor J. 2003 Feb;50(1):9-20.

PMID: 12733705 [PubMed - indexed for MEDLINE]

1 2: Towns R, Kostvo JL, Vogel T, Sakal E, Tchelet A, Maher R, Gertler Related Articles, Links

Evidence that the N-terminus of human growth hormone is involved in expression of its growth promoting, diabetogenic, and insulin-like activities. Endocrinology. 1992 Mar;130(3):1225-30.

PMID: 1537288 [PubMed - indexed for MEDLINE]

Write to the Help Desk

NCBI | NLM | NIH

Department of Health & Human Services

Privacy Statement | Freedom of Information Act | Disclaimer

Jul 8 2004 06:47:02

FILE 'ADISINSIGHT' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Adis Data Information BV

FILE 'ADISNEWS' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Adis Data Information BV

FILE 'AGRICOLA' ENTERED AT 11:37:27 ON 15 JUL 2004

FILE 'ANABSTR' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (c) 2004 THE ROYAL SOCIETY OF CHEMISTRY (RSC)

FILE 'AQUASCI' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT 2004 FAO (On behalf of the ASFA Advisory Board). All rights reserved.

FILE 'BIOBUSINESS' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Biological Abstracts, Inc. (BIOSIS)

FILE 'BIOCOMMERCE' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 BioCommerce Data Ltd. Richmond Surrey, United Kingdom. All rights reserved

FILE 'BIOSIS' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION

FILE 'BIOTECHNO' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'CABA' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 CAB INTERNATIONAL (CABI)

FILE 'CANCERLIT' ENTERED AT 11:37:27 ON 15 JUL 2004

FILE 'CAPLUS' ENTERED AT 11:37:27 ON 15 JUL 2004 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CEABA-VTB' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (c) 2004 DECHEMA eV

FILE 'CEN' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 American Chemical Society (ACS)

FILE 'CIN' ENTERED AT 11:37:27 ON 15 JUL 2004 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2004 American Chemical Society (ACS)

FILE 'CONFSCI' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Cambridge Scientific Abstracts (CSA)

FILE 'CROPB' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 THOMSON DERWENT

FILE 'CROPU' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 THOMSON DERWENT

FILE 'DISSABS' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 ProQuest Information and Learning Company; All Rights Reserved.

FILE 'DDFB' ACCESS NOT AUTHORIZED

FILE 'DDFU' ACCESS NOT AUTHORIZED

FILE 'DGENE' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 THOMSON DERWENT

FILE 'DRUGB' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 THOMSON DERWENT

FILE 'DRUGMONOG2' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 IMSWORLD Publications Ltd

FILE 'IMSDRUGNEWS' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 IMSWORLD Publications Ltd

FILE 'DRUGU' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 THOMSON DERWENT

FILE 'IMSRESEARCH' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 IMSWORLD Publications Ltd

FILE 'EMBAL' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Elsevier Inc. All rights reserved.

FILE 'EMBASE' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Elsevier Inc. All rights reserved.

FILE 'ESBIOBASE' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'FEDRIP' ENTERED AT 11:37:27 ON 15 JUL 2004

FILE 'FOMAD' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Leatherhead Food Research Association

FILE 'FOREGE' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Leatherhead Food Research Association

FILE 'FROSTI' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Leatherhead Food Research Association

FILE 'FSTA' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 International Food Information Service

FILE 'GENBANK' ENTERED AT 11:37:27 ON 15 JUL 2004

FILE 'HEALSAFE' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Cambridge Scientific Abstracts (CSA)

FILE 'IFIPAT' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 IFI CLAIMS(R) Patent Services (IFI)

FILE 'IMSPRODUCT' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 IMSWORLD Publications Ltd

FILE 'JICST-EPLUS' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Japan Science and Technology Agency (JST)

FILE 'KOSMET' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 International Federation of the Societies of Cosmetics Chemists

FILE 'LIFESCI' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 Cambridge Scientific Abstracts (CSA)

FILE 'MEDICONF' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (c) 2004 FAIRBASE Datenbank GmbH, Hannover, Germany

FILE 'MEDLINE' ENTERED AT 11:37:27 ON 15 JUL 2004

FILE 'NIOSHTIC' ENTERED AT 11:37:27 ON 15 JUL 2004 COPYRIGHT (C) 2004 U.S. Secretary of Commerce on Behalf of the U.S. Government

FILE 'NTIS' ENTERED AT 11:37:27 ON 15 JUL 2004 Compiled and distributed by the NTIS, U.S. Department of Commerce. It contains copyrighted material. All rights reserved. (2004)

FILE 'NUTRACEUT' ENTERED AT 11:37:27 ON 15 JUL 2004

```
Copyright 2004 (c) MARKETLETTER Publications Ltd. All rights reserved.
  FILE 'OCEAN' ENTERED AT 11:37:27 ON 15 JUL 2004
  COPYRIGHT (C) 2004 Cambridge Scientific Abstracts (CSA)
  FILE 'PASCAL' ENTERED AT 11:37:27 ON 15 JUL 2004
  Any reproduction or dissemination in part or in full,
  by means of any process and on any support whatsoever is prohibited without the prior written agreement of INIST-CNRS. COPYRIGHT (C) 2004 INIST-CNRS. All rights reserved.
  FILE 'PCTGEN' ENTERED AT 11:37:27 ON 15 JUL 2004
  COPYRIGHT (C) 2004 WIPO
  FILE 'PHAR' ENTERED AT 11:37:27 ON 15 JUL 2004
  COPYRIGHT (C) 2004 PJB Publications Ltd. (PJB)
  FILE 'PHARMAML' ENTERED AT 11:37:27 ON 15 JUL 2004
 Copyright 2004 (c) MARKETLETTER Publications Ltd. All rights reserved.
 FILE 'PHIC' ENTERED AT 11:37:27 ON 15 JUL 2004
 COPYRIGHT (C) 2004 PJB Publications Ltd. (PJB)
 FILE 'PHIN' ENTERED AT 11:37:27 ON 15 JUL 2004
 COPYRIGHT (C) 2004 PJB Publications Ltd. (PJB)
 FILE 'PROMT' ENTERED AT 11:37:27 ON 15 JUL 2004
 COPYRIGHT (C) 2004 Gale Group. All rights reserved.
 FILE 'PROUSDDR' ENTERED AT 11:37:27 ON 15 JUL 2004
 COPYRIGHT (C) 2004 Prous Science
 FILE 'RDISCLOSURE' ENTERED AT 11:37:27 ON 15 JUL 2004
 COPYRIGHT (C) 2004 Kenneth Mason Publications Ltd.
 FILE 'SCISEARCH' ENTERED AT 11:37:27 ON 15 JUL 2004
 COPYRIGHT 2004 THOMSON ISI
 FILE 'SYNTHLINE' ENTERED AT 11:37:27 ON 15 JUL 2004
 COPYRIGHT (C) 2004 Prous Science
 FILE 'TOXCENTER' ENTERED AT 11:37:27 ON 15 JUL 2004
 COPYRIGHT (C) 2004 ACS
 FILE 'USPATFULL' ENTERED AT 11:37:27 ON 15 JUL 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)
FILE 'USPAT2' ENTERED AT 11:37:27 ON 15 JUL 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)
FILE 'VETB' ENTERED AT 11:37:27 ON 15 JUL 2004
COPYRIGHT (C) 2004 THOMSON DERWENT
FILE 'VETU' ENTERED AT 11:37:27 ON 15 JUL 2004
COPYRIGHT (C) 2004 THOMSON DERWENT
FILE 'WPIDS' ENTERED AT 11:37:27 ON 15 JUL 2004
COPYRIGHT (C) 2004 THOMSON DERWENT
FILE 'WPIFV' ENTERED AT 11:37:27 ON 15 JUL 2004
COPYRIGHT (C) 2004 THOMSON DERWENT
FILE 'WPINDEX' ACCESS NOT AUTHORIZED
=> s intramolecular chaperone
  42 FILES SEARCHED...
            791 INTRAMOLECULAR CHAPERONE
=> DUP REM L1
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, BIOCOMMERCE, DGENE,
DRUGMONOG2, IMSRESEARCH, FEDRIP, FOREGE, GENBANK, IMSPRODUCT, KOSMET,
MEDICONF, NUTRACEUT, PCTGEN, PHAR, PHARMAML, PROUSDDR, RDISCLOSURE, SYNTHLINE'. ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
```

PROCESSING COMPLETED FOR L1

216 DUP REM L1 (575 DUPLICATES REMOVED)

L2

```
=> D L2 1-216
         ANSWER 1 OF 216 USPATFULL ON STN 2004:57467 USPATFULL
   L2
   ΑN
            Dipeptidyl peptidase i crystal structure and its uses olsen, Johan Gotthardt, Copenhagen N, DENMARK
   TI
   IN
            Kadziola, Anders, Hellerup, DENMARK
           Dahl, Soren Weis, Rungsted Kyst, DENMARK
           Lauritzen, Connie, Rodovre, DENMARK
Larsen, Sine, Horsholm, DENMARK
           Pedersen, John, Niva, DENMARK
Turk, Susan, Ljubljana, SLOVENIA
Podobnik, Marietka, Ljubljana-Polje, SLOVENIA
Stern, Igor, Ljubljana, SLOVENIA
           US 2004043469
   PΙ
                                         20040304
                                   Α1
           US 2003-363712
   ΑI
                                   Α1
                                         20030815 (10)
           WO 2001-DK580
                                         20010906
  PRAI
           DK 2000-1343
                                    20000908
  DT
           Utility
  FS
           APPLICATION
  LN.CNT 23413
  INCL
           INCLM: 435/226.000
           NCLM: 435/226.000
  NCL
  TC
           [7]
           ICM: C12N009-64
  CAS INDEXING IS AVAILABLE FOR THIS PATENT.
        ANSWER 2 OF 216 USPATFULL ON STN
  L2
  ΑN
           2004:13611 USPATFULL
          Albumin fusion proteins
  TT
          Rosen, Craig A., Laytonsville, MD, UNITED STATES Haseltine, William A., Washington, DC, UNITED STATES US 2004010134 A1 20040115
  IN
  PΙ
 AΙ
          US 2001-833245
                                        20010412 (9)
                                  Α1
                                  20001221 (60)
20000425 (60)
20000412 (60)
 PRAI
          US 2000-256931P
          US 2000-199384P
          US 2000-229358P
 DT
          Utility
 FS
          APPLICATION
 LN.CNT
          25066
 INCL
          INCLM: 536/023.500
          INCLS: 530/363.000; 514/012.000; 435/069.700; 435/320.100; 435/325.000
 NCL
                  536/023.500
                  530/363.000; 514/012.000; 435/069.700; 435/320.100; 435/325.000
          NCLS:
          [7]
 IC
          ICM: C07H021-04
          ICS: C12P021-04; C12P021-02; C07K014-765; A61K038-38
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
       ANSWER 3 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
 L2
       2004:512350 SCISEARCH
 ΑN
 GA
       The Genuine Article (R) Number: 824BF
       Key elements for protein foldability revealed by a combinatorial approach
TI
       among similarly folded but distantly related proteins
       Morimoto S; Tamura_A (Reprint)
      Japan Sci & Technol Corp, PRESTO, Kobe, Hyogo 6578501, Japan (Reprint);
Kobe Univ, Grad Sch Sci & Technol, Kobe, Hyogo, Japan
CS
CYA
      BIOCHEMISTRY, (1 JUN 2004) Vol. 43, No. 21, pp. 6596-6605.
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA.
50
      Article; Journal
DT
      English
LA
REC
      Reference Count: 43
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
      ANSWER 4 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L2
ΑN
      2004:129552
                      BIOSIS
      PREV200400130417
DN
TT
      Propeptide does not act as an
                                             ***intramolecular***
                                                                             ***chaperone***
      but facilitates protein disulfide isomerase-assisted folding of a
```

Buczek, Olga; olivera, Baldomero M.; Bulaj, Grzegorz [Reprint Author] Department of Biology, University of Utah, Salt Lake City, UT, 84112, USA

conotoxin_precursor.

bulaj@biology.utah.edu

ΑU CS

```
Biochemistry, (February 3 2004) Vol. 43, No. 4, pp. 1093-1101. print. ISSN: 0006-2960 (ISSN print).
   DT
         Article
         English
   ED
         Entered STN: 3 Mar 2004
         Last Updated on STN: 3 Mar 2004
         ANSWER 5 OF 216 CAPLUS COPYRIGHT 2004 ACS ON STN DUPLICATE 2
   L2
   AN
         2004:350542
                         CAPLUS
         Identification of furin pro-region determinants involved in folding and
   TI
         Bissonnette, Lyne; Charest, Gabriel; Longpre, Jean-Michel; Lavigne,
  ΑU
        Pierre; Leduc, Richard
Faculty of Medicine, Department of Pharmacology, University of Sherbrooke, Sherbrooke, QC, J1H 5N4, Can.
Biochemical Journal (2004), 379(3), 757-763
CODEN: BIJOAK; ISSN: 0264-6021
Portland Press Ltd.
  CS
  SO
  PB
  DT
         Journal
  LA
        English
                    THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD
  RE.CNT
           40
                    ALL CITATIONS AVAILABLE IN THE RE FORMAT
  L2
        ANSWER 6 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
  AN
        2004:135710 BIOSIS
  DN
        PREV200400137557
        Fine sequence details significantly influence folding pathways and folding
  ΤI
        dependencies.
        subbian, Ezhilkani [Reprint Author]; Shinde, Ujwal [Reprint Author]
  ΑU
        Department of Biochemistry and Molecular Biology, Oregon Health and
  CS
        Sciences University, Portland, OR, USA
Biophysical Journal, (January 2004) Vol. 86, No. 1, pp. 621a. print.
Meeting Info.: 48th Annual Meeting of the Biophysical Society. Baltimore,
 SO
        MD, USA. February 14-18, 2004. Biophysical Society. ISSN: 0006-3495 (ISSN print).
        Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
 DT
 LA
        English
        Entered STN: 10 Mar 2004
 ED
        Last Updated on STN: 10 Mar 2004
 L2
       ANSWER 7 OF 216
                                 MEDLINE on STN
 ΑN
        2004226867
                          IN-PROCESS
 DN
       PubMed ID: 15125234
       In Process Citation.
 TI
 ΑU
       Anonymous
       Skryabin Institute of Biochemistry and Physiology of Microorganisms, Russian Academy of Sciences, Pushchino, Moscow Region, 142290 Russia.
 CS
       Molekuliarnaia biologiia, (2004 Mar-Apr) 38 (2) 288-96.
 SO
       Journal code: 0105454. ISSN: 0026-8984.
 CY
       Russia: Russian Federation
DT
       Journal; Article; (JOURNAL ARTICLE)
LA
       Russian
       IN-PROCESS; NONINDEXED; Priority Journals Entered STN: 20040506
FS
ED
       Last Updated on STN: 20040506
L2
       ANSWER 8 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
       2004:162359
ΑN
                      SCISEARCH
GA
       The Genuine Article (R) Number: 770wv
      Cloning and analysis of WF146 protease, a novel thermophilic
TI
      subtilisin-like protease with four inserted surface loops
      Wu J; Bian Y; Tang B (Reprint); Chen X D; Shen P; Peng Z R
Wuhan Univ, Coll Life Sci, Dept Biotechnol, Wuhan 430072, Peoples R China
AU
CS
CYA
      Peoples R China
      FEMS MICROBIOLOGY LETTERS, (30 JAN 2004) Vol. 230, No. 2, pp. 251-258. Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM,
SO
      NETHERLANDS.
      ISSN: 0378-1097.
Article; Journal
      English
REC
      Reference Count: 32
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
     ANSWER 9 OF 216 CAPLUS COPYRIGHT 2004 ACS ON STN DUPLICATE 3
```

SO

DT ΙΔ

L2

```
2004:307198 CAPLUS
   ΑN
         Interdependent Effects of the Charge of the N-Terminal Region of the
   TI
         Signal Peptide,
Escherichia coli
                           SecA, and SecB on Secretion of Alkaline Phosphatase in
   ΑU
         Khokhlova, O. V.; Nesmeyanova, M. A.
        Skryabin Institute of Biochemistry and Physiology of Microorganisms, Russian Academy of Sciences, Pushchino, 142290, Russia
        Molecular Biology (Moscow, Russian Federation, English Edition)
         (Translation of Molekulyarnaya Biologiya) (2004), 38(2), 239-246
        CODEN: MOLBBJ; ISSN: 0026-8933
   PB
        MAIK Nauka/Interperiodica Publishing
  DT
        Journal
  LA
        English
           50
  RE.CNT
                   THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
                   ALL CITATIONS AVAILABLE IN THE RE FORMAT
        ANSWER 10 OF 216 JICST-EPlus COPYRIGHT 2004 JST on STN
  L2
  ΑN
        1040216419
                     JICST-EPlus
        Folding of a Peptide Hormone Assisted by a Propeptide: Folding of Hybrid
  TI
        Disulfide Isomers of Uroguanylin and Heat-stable Enterotoxin
  ΑU
        HIDAKA Y; NIINOBE M
       ITO L; SEGAWA K; YAMAGUCHI H
Osaka Univ., Osaka, Jpn
Kwansei Gakuin Univ., Hyogo, Jpn
  CS
        Pept Sci, (2004) vol. 2003, pp. 103-106. Journal Code: X0695A (Fig. 2, Ref. 13)
  SO
        ISSN: 1344-7661
  CY
        Japan
  DT
       Conference; Article
 LA
       English
  STA
       New
 L2
       ANSWER 11 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN
 ΑN
       2004:413415 CAPLUS
 ΤI
       Cofactor processing in galactose oxidase
       Firbank, Susan; Rogers, Melanie; Guerrero, Ramon Hurtado; Dooley, David
 ΑU
       M.; Halcrow, Malcolm A.; Phillips, Simon É. V.; Knowles, Peter F.;
       McPherson, Michael J.
       Astbury Centre for Structural Molecular Biology, University of Leeds,
 CS
       Leeds, UK
       Biochemical Society Symposia (2004), 71, 15-25
 SO
       CODEN: BSSYAT; ISSN: 0067-8694
 PB
       Portland Press Ltd.
 DT
       Journal
 LA
       English
                 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
 RE.CNT
          29
                 ALL CITATIONS AVAILABLE IN THE RE FORMAT
      ANSWER 12 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
 L2
       2004:473630 SCISEARCH
 AN
       The Genuine Article (R) Number: BAA67
 GA
      Cofactor processing galactose oxidase
Firbank S; Rogers M; Guerrero R H; Dooley D M; Halcrow M A; Phillips S E;
 TI
 ΑU
      Knowles P F; McPherson M J (Reprint)
      Univ Leeds, Sch Biochem & Mol Biol, Astbury Ctr Struct Mol Biol, Leeds LS2 9JT, W Yorkshire, England (Reprint); Montana State Univ, Dept Chem & Biochem, Bozeman, MT 59717 USA; Univ Leeds, Sch Chem, Leeds LS2 9JT, W
      Yorkshire, England
CYA
      England: USA
      FREE RADICALS: ENZYMOLOGY, SIGNALLING AND DISEASE, (MAY 2004) No. 71, pp.
SO
      Publisher: PORTLAND PRESS LTD, 59 PORTLAND PL, LONDON W1N 3AJ, ENGLAND. ISSN: 0067-8694.
      Article; Journal
DT
LA
      English
REC
      Reference Count: 29
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
      ANSWER 13 OF 216 USPATFULL ON STN
L2
ΑN
        2003:312278
                      USPATFULL
        Albumin fusion proteins
TI
        Rosen, Craig A., Laytonsville, MD, UNITED STATES Haseltine, William A., Washington, DC, UNITED STATES
IN
PΙ
        US 2003219875
                             A1
                                    20031127
        US 2001-833118
ΑI
                                    20010412 (9)
                              Α1
        US 2000-256931P
PRAI
                               20001221 (60)
```

```
US 2000-199384P
                                  20000425 (60)
          US 2000-229358P
                                  20000412 (60)
  DT
          Utility
          APPLICATION
  FS
  LN.CNT
          15415
  INCL
          INCLM: 435/069.700
          INCLS: 435/325.000; 435/320.100; 530/362.000; 514/012.000; 536/023.500
  NCL
                  435/069.700
                  435/325.000; 435/320.100; 530/362.000; 514/012.000; 536/023.500
          [7]
  IC
          ICM: A61K038-38
          ICS: C07H021-04; C12P021-04; C07K014-76
  CAS INDEXING IS AVAILABLE FOR THIS PATENT.
        ANSWER 14 OF 216 USPATFULL ON STN
  L2
          2003:282700 USPATFULL
  AN
          Albumin fusion proteins
  TI
          Ballance, David J., Berwyn, PA, UNITED STATES Sleep, Darrell, West Bridgford, UNITED KINGDOM
  IN
          Prior, Christopher P., Rosemont, PA, UNITED STATES
Sadeghi, Homayoun, Doylestown, PA, UNITED STATES
                  Andrew J., Eagleville, PA, UNITED STATES
 PΙ
          US 2003199043
                                A1
                                      20031023
 ΑI
          US 2001-832501
                                Α1
                                      20010412 (9)
 PRAI
          US 2000-256931P
                                 20001221 (60)
          US 2000-199384P
                                 20000425 (60)
          US 2000-229358P
                                 20000412 (60)
 DT
          Utility
 FS
          APPLICATION
 LN.CNT
         14339
 INCL
          INCLM: 435/069.700
         INCLS: 435/069.500; 435/325.000; 435/320.100; 530/351.000; 530/363.000;
                  536/023.500
 NCL
         NCLM:
                  435/069.700
                 435/069.500; 435/325.000; 435/320.100; 530/351.000; 530/363.000;
         NCLS:
                  536/023.500
 IC
          [7]
         ICM: C12P021-02
         ICS: C07H021-04; C12N005-06; C07K014-76; C07K014-52
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L2
      ANSWER 15 OF 216 USPATFULL ON STN
         2003:251876 USPATFULL
 AN
         soluble complexes of target proteins and peptidyl prolyl isomerase
 TI
         chaperones and methods of making and using them
         scholz, Christian, Penzberg, GERMANY, FEDERAL REPUBLIC OF
 IN
         Andres, Herbert, Penzberg, GERMANY, FEDERAL REPUBLIC OF Faatz, Elke, Huglfing, GERMANY, FEDERAL REPUBLIC OF Engel, Alfred, Tutzing, GERMANY, FEDERAL REPUBLIC OF
         Sizmann, Dorothea, Penzberg, GERMANY, FEDERAL REPUBLIC OF US 2003176665 A1 20030918
PΙ
         US 2002-179905
ΑI
                               Α1
                                     20020624 (10)
PRAI
         EP 2001-115225
                                20010622
         EP 2001-120939
                                20010831
DT
        Utility
FS
        APPLICATION
LN.CNT
        2372
INCL
        INCLM: 530/395.000
        INCLS: 435/068.100
                530/395.000
NCL
        NCLM:
        NCLS:
                435/068.100
IC
        [7]
        ICM: C07K014-15
        ICS: C12P021-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L2
      ANSWER 16 OF 216 USPATFULL ON STN
        2003:244853 USPATFULL
AN
TI
        Albumin fusion proteins
IN
        Rosen, Craig A., Laytonsville, MD, UNITED STATES
        Sadeghi, Homayoun, Doylestown, PA, UNITED STATES
Prior, Christopher P., Rosemont, PA, UNITED STATES
                Andrew J., Eagleville, PA, UNITED STATES
        Turner,
PI
        US 2003171267
                              A1
                                    20030911
AΙ
           2001-833117
        US
                              Α1
                                    20010412 (9)
        US 2000-256931P
PRAI
                               20001221 (60)
```

```
US 2000-199384P
US 2000-229358P
                                   20000425 (60)
                                   20000412 (60)
  DT
           Utility
  FS
           APPLICATION
  LN.CNT
          13208
  INCL
           INCLM:
                   514/012.000
           INCLS:
                   530/363.000
  NCL
          NCLM:
                   514/012.000
           NCLS:
                   530/363.000
  IC
           Γ71
          ICM: A61K038-38
          ICS: C07K014-765
  CAS INDEXING IS AVAILABLE FOR THIS PATENT.
  L2
        ANSWER 17 OF 216 USPATFULL ON STN
  AN
          2003:181414 USPATFULL
          Albumin fusion proteins
  TI
          Rosen, Craig A., Laytonsville, MD, UNITED STATES Haseltine, William A., Washington, DC, UNITED STATES US 2003125247 A1 20030703
  PI
  ΑI
          US 2001-833041
                                       20010412 (9)
                                 Α1
  PRAI
          US 2000-256931P
                                  20001221 (60)
20000425 (60)
          US 2000-199384P
          US 2000-229358P
                                  20000412 (60)
 DT
          Utility
 FS
          APPLICATION
 LN.CNT 15235
 INCL
          INCLM: 514/012.000
          INCLS: 530/363.000
 NCL
          NCLM:
                  514/012.000
          NCLS:
                  530/363.000
 TC
          [7]
          ICM: A61K038-38
          ICS: C07K014-765
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L2
       ANSWER 18 OF 216 USPATFULL ON STN
 ΑN
          2003:173194 USPATFULL
         NARC1, novel subtilase-like homologs
 TI
         Bingham, Brendan William, Newtown, PA, UNITED STATES Chiang, Lillian Wei-Ming, Princeton, NJ, UNITED STATES
 ΤN
         Jenkins, Lorayne P., Hightstown, NJ, UNITED STATES
         Frederick Lo, Ching-Hsiung, Pennington, NJ, UNITED STATES Naureckiene, Saule, Old Bridge, NJ, UNITED STATES Ozenberger, Bradley Alton, Newtown, PA, UNITED STATES
         Wood, Andrew, Newtown, PA, UNITED STATES
         US 2003119038
 PΙ
                                      20030626
                                Α1
 ΑI
         US 2002-287290
                                      20021101 (10)
                                Α1
         Continuation-in-part of Ser. No. US 2000-517906, filed on 3 Mar 2000, PENDING Continuation-in-part of Ser. No. US 2000-499235, filed on 7 Feb
 RLI
         2000, PENDING Continuation-in-part of Ser. No. US 1999-393174, filed on
         9 Sep 1999, ABANDONED
PRAI
         US 1999-161188P
                                 19991022 (60)
DT
         Utility
FS
         APPLICATION
LN.CNT 6995
INCL
         INCLM: 435/006.000
         INCLS: 435/007.230; 435/069.200; 435/184.000; 435/320.100; 435/325.000; 536/023.200
NCL
        NCLM:
                 435/006.000
                 435/007.230; 435/069.200; 435/184.000; 435/320.100; 435/325.000;
        NCLS:
                 536/023.200
IC
         [7]
        ICM: C120001-68
        ICS: G01N033-574; C07H021-04; C12N009-99; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L2
      ANSWER 19 OF 216 USPATFULL ON STN
ΑN
        2003:152912
                       USPATFULL
        Recombinant fusion proteins to growth hormone and serum albumin
TI
IN
        Ballance, David James, Nottingham, UNITED KINGDOM
PΙ
        US 2003104578
                               Α1
                                     20030605
ΑI
        US 2001-984010
                               Α1
                                     20011026 (9)
        Continuation of ser. No. US 1998-91873, filed on 25 Jun 1998, ABANDONED
RLI
        A 371 of International Ser. No. WO 1996-GB3164, filed on 19 Dec 1996,
        UNKNOWN
```

```
GB 1995-26733
Utility
  PRAI
                                19951230
  DT
  FS
          APPLICATION
 LN.CNT 801
         INCLM: 435/069.400
 INCL
         INCLS: 435/320.100; 435/325.000; 530/399.000; 536/023.500
                 435/069.400
 NCL
                 435/320.100; 435/325.000; 530/399.000; 536/023.500
         NCLS:
 IC
         [7]
         ĪCM: C07K014-61
 ICS: C07H021-04; C12P021-02; C12N005-06 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
       ANSWER 20 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
 L2
 ΑN
       2003:674010
                     SCISEARCH
 GA
       The Genuine Article (R) Number: 705XC
      Functional characterization of the propeptide of Plasmodium falciparum
 TI
       subtilisin-like protease-1
       Jean L; Hackett F; Martin S R; Blackman M J (Reprint)
 ΑU
      Natl Inst Med Res, Div Parasitol, Mill Hill, London NW7 1AA, England (Reprint); Natl Inst Med Res, Div Parasitol, London NW7 1AA, England; Natl
 CS
      Inst Med Res, Div Phys Biochém, London NW7 1AA, England
 CYA
       England
      JOURNAL OF BIOLOGICAL CHEMISTRY, (1 AUG 2003) Vol. 278, No. 31, pp.
 SO
       28572-28579.
      Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.
      ISSN: 0021-9258.
      Article; Journal
DT
LA
      English
REC
      Reference Count: 47
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
      ANSWER 21 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L2
      DUPLICATE 4
AN
      2003:276835
                     BIOSIS
DN
      PREV200300276835
TI
      Folding pathway mediated by an
                                           ***intramolecular***
                                                                        ***chaperone***
      . A functional peptide chaperone designed using sequence databases.
Yabuta, Yukihiro; Subbian, Ezhilkani; Oiry, Catherine; Shinde, Ujwal
ΑU
      [Reprint Author]
      Department of Biochemistry and Molecular Biology, Oregon Health and
CS
      Science University, Portland, OR, 97239-3098, ŪSA
      shindeu@ohsu.edu
      Journal of Biological Chemistry, (April 25 2003) Vol. 278, No. 17, pp.
50
      15246-45251. print.
      CODEN: JBCHA3. ISSN: 0021-9258.
DT
      Article
LA
     English
     Entered STN: 11 Jun 2003
Last Updated on STN: 11 Jun 2003
ED
     ANSWER 22 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L2
     DUPLICATE 5
AN
     2003:253933
     PREV200300253933
DN
     Proteolytic processing and oligomerization of bacteriophage-derived
TI
     endosialidases.
     Muehlenhoff, Martina [Reprint Author]; Stummeyer, Katharina; Grove,
ΑU
     Melanie; Sauerborn, Markus; Gerardy-Schahn, Rita
     Abteilung Zellulaere Chemie, Zentrum Biochemie, Medizinische Hochschule
CS
     Hannover, Carl-Neuberg-Strasse 1, 30625, Hannover, Germany muehlenhoff.martina@mh-hannover.de
     Journal of Biological Chemistry, (April 11 2003) Vol. 278, No. 15, pp.
     12634-12644. priñt.
     CODEN: JBCHA3. ISSN: 0021-9258.
     Article
     English
     Entered STN: 28 May 2003
     Last Updated on STN: 30 Jun 2003
     ANSWER 23 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
     DUPLICATE 6
     2003:212691
                   BIOSIS
     PREV200300212691
     Sequential autolytic processing activates the zymogen of Arg-gingipain.
```

SO

DT

ED

L2

ΑN

DN

TI

```
Mikolajczyk, Jowita; Boatright, Kelly M.; Stennicke, Henning R.; Nazif,
   ΑU
          Tamim; Potempa, Jan; Bogyo, Matthew; Salvesen, Guy S. [Reprint Author]
Burnham Inst., 10901 North Torrey Pines Rd., La Jolla, CA, 92037, USA
   CS
          gsalvesen@burnham.org
          Journal of Biological Chemistry, (March 21 2003) Vol. 278, No. 12, pp. 10458-10464. print.
   SO
          CODEN: JBCHA3. ISSN: 0021-9258.
          Article
  DT
  LA
          English
          Entered STN: 30 Apr 2003
  ED
          Last Updated on STN: 30 Apr 2003
         ANSWER 24 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN 2003:508888 SCISEARCH
  L2
  AN
         The Genuine Article (R) Number: 687FC
Trigger factor-mediated prolyl isomerization influences maturation of the
  GΑ
  TI
         Streptococcus pyogenes cysteine protease
         Lyon W R; Caparon M G (Reprint)
Washington Univ, Sch Med, Dept Mol Microbiol, Box 8230, St Louis, Mo 63110
  ΑU
  CS
         USA (Reprint); Washington Univ, Sch Med, Dept Mol Microbiol, St Louis, MO
         63110 USA
  CYA
         USA
         JOURNAL OF BACTERIOLOGY, (JUN 2003) Vol. 185, No. 12, pp. 3661-3667.
Publisher: AMER SOC MICROBIOLOGY, 1752 N ST NW, WASHINGTON, DC 20036-2904
  SO
         ISSN: 0021-9193.
         Article; Journal
  DT
 LA
         English
        Reference Count: 41
 REC
        *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
        ANSWER 25 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
 L2
        2004:801 SCISEARCH
 ΑN
 GΑ
        The Genuine Article (R) Number: 752HZ
        Determination of the domain of the Lactobacillus delbrueckii subsp
        bulgaricus cell surface proteinase PrtB involved in attachment to the cell wall after heterologous expression of the PrtB gene in Lactococcus lactis
        Nestec Ltd, Nestle Res Ctr, Vers Chez les Blanc, CH-1000 Lausanne 26, Switzerland (Reprint); Nestec Ltd, Nestle Res Ctr, Switzerland (Reprint); Nestec Ltd, Nestle Res Ctr, CH-1000 Lausanne 26, Switzerland; Univ Lyon 1, UMR CNRS 5122, Microbiol & Genet Unit, F-69622
 ΑU
 CS
        Villeurbanne, France
Switzerland; France
 CYA
        APPLIED AND ENVIRONMENTAL MICROBIOLOGY, (JUN 2003) Vol. 69, No. 6, pp.
 S0
        3377-3384.
        Publisher: AMER SOC MICROBIOLOGY, 1752 N ST NW, WASHINGTON, DC 20036-2904
        USA
        ISSN: 0099-2240
        Article; Journal
 DT
 LA
        English
 REC
        Reference Count: 38
        *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
       ANSWER 26 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN 2003:157850 SCISEARCH
 L2
AN
        The Genuine Article (R) Number: 644JW
GΑ
       structure-function analysis of the prosegment of the proprotein convertase
 TI
        PC5A
       Nour N; Basak A; Chretien M (Reprint); Seidah N G
Ottawa Hlth Res Inst, Reg Prot Chem Ctr, Dis Aging Unit, Loeb Bldg, 725
Parkdale Ave, Ottawa, ON KlY 4E9, Canada (Reprint); Ottawa Hlth Res Inst,
Reg Prot Chem Ctr, Dis Aging Unit, Ottawa, ON KlY 4E9, Canada; Clin Res
Inst Montreal, Biochem Neuroendocrinol Lab, Montreal, PQ H2W 1R7, Canada
ΑU
CS
CYA
       JOURNAL OF BIOLOGICAL CHEMISTRY, (31 JAN 2003) Vol. 278, No. 5, pp.
SO
       2886-2895.
       Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
       PIKE, BETHESDA, MD 20814-3996 USA.
       ISSN: 0021-9258.
DT
       Article; Journal
LA
       English
REC
       Reference Count: 69
       *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
       ANSWER 27 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN
L2
       2003:98198 CAPLUS
AN
```

DN 138:186076 Productive Folding of Human Neutrophil .alpha.-Defensins in Vitro without ΤI the Pro-peptide Wu, Zhibin; Powell, Robert; Lu, Wuyuan Institute of Human Virology, University of Maryland, Baltimore, MD, 21201, AU CS Journal of the American Chemical Society (2003), 125(9), 2402-2403 SO CODEN: JACSAT; ISSN: 0002-7863 PB American Chemical Society Journal DT English LA RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT ANSWER 28 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L2 **DUPLICATE 7** AN 2003:153695 BIOSIS DN PREV200300153695 A conserved region within the Bordetella pertussis autotransporter BrkA is TI necessary for folding of its passenger domain. Oliver, David C.; Huang, George; Nodel, Elena; Pleasance, Steve; Fernandez, Rachel C. [Reprint Author] Department of Microbiology and Immunology, University of British Columbia, 300-6174 University Blvd., Vancouver, BC, V6T 1Z3, Canada ΑU CS rachelf@interchange.ubc.ca Molecular Microbiology, (March 2003) Vol. 47, No. 5, pp. 1367-1383. print. ISSN: 0950-382X (ISSN print). SO DT Article LA English Entered STN: 26 Mar 2003 Last Updated on STN: 26 Mar 2003 FD L2 ANSWER 29 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN **DUPLICATE 8** 2003:190612 AN BIOSIS DN PREV200300190612 General function of N-terminal propeptide on assisting protein folding and inhibiting catalytic activity based on observations with a chimeric ΤI thermolysin-like protease. Tang, Bing; Nirasawa, Satoru; Kitaoka, Motomitsu; Marie-Claire, Cynthia; ΑU Hayashi, Kiyoshi [Reprint Author] Enzyme Laboratory, Biological Function Division, National Food Research Institute, Tsukuba, Ibaraki, 305-8642, Japan khayashi@nfri.affrc.go.jp CS Biochemical and Biophysical Research Communications, (February 21 2003) SO Vol. 301, No. 4, pp. 1093-1098. print. CODEN: BBRCA9. ISSN: 0006-291X. DT Article LA English Entered STN: 16 Apr 2003 Last Updated on STN: 10 Jun 2003 ED L2 ANSWER 30 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN ΑN 2003:745748 SCISEARCH GΑ The Genuine Article (R) Number: 714WJ Staphostatins: an expanding new group of proteinase inhibitors with a unique specificity for the regulation of staphopains, Staphylococcus spp. TI Cysteine proteinases Rzychon M; Sabat A; Kosowska K; Potempa J (Reprint); Dubin A
Jagiellonian Univ, Fac Biotechnol, Dept Microbiol, Ul Gronostajowa 7,
PL-30387 Krakow, Poland (Reprint); Jagiellonian Univ, Fac Biotechnol, Dept
Microbiol, PL-30387 Krakow, Poland; Jagiellonian Univ, Fac Biotechnol,
Dept Analyt Biochem, PL-30387 Krakow, Poland; Univ Georgia, Dept Biochem & ΑU CS Mol Biol, Athens, GA 30602 USA CYA Poland; USA MOLECULAR MICROBIOLOGY, (AUG 2003) Vol. 49, No. 4, pp. 1051-1066. SO Publisher: BLACKWELL PUBLISHING LTD, 9600 GARSINGTON RD, OXFORD 0X4 2DG, OXON, ENGLAND ISSN: 0950-382X. DT Article; Journal LA English REC Reference Count: 72 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* ANSWER 31 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L2 2004:40358 BIOSIS ΑN

```
DN
        PREV200400041729
        Folding pathway mediated by an ***intramolecular*** ***chaperone***

The subtilisin propeptide is optimized to be intrinsically unstructured.
  TI
        Subbian, E. [Reprint Author]; Yukihiro, Y. [Reprint Author]; Shinde, U.
  ΑU
        [Reprint Author]
        Oregon_Health and sciences University, Portland, OR, USA
  CS
        Molecular & Cellular Proteomics, (September 2003) Vol. 2, No. 9, pp. 783.
  50
        print.
        Meeting Info.: HUPO (Human Proteomics Organisation) 2nd Annual and IUBMB (International Union of Biochemistry and Molecular Biology) XIX World Congress. Montreal, Quebec, Canada. October 08-11, 2003. American Society for Biochemistry and Molecular Biology Inc.
        ISSN: 1535-9476 (ISSN print).
Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
  DT
  ΙΑ
        English
        Entered STN: 14 Jan 2004
  ED
        Last Updated on STN: 14 Jan 2004
        ANSWER 32 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 L2
        DUPLICATE 9
        2003:374440
 ΑN
                        BIOSIS
 DN
        PREV200300374440
 ΤI
        Cofactor processing in galactose oxidase.
       Firbank, S. J.; Rogers, M.; Hurtado-Guerrero, R.; Dooley, D. M.; Halcrow, M. A.; Phillips, S. E. V.; Knowles, P. F.; McPherson, M. J. [Reprint
 ΑU
       Astbury Centre for Structural Molecular Biology, School of Biochemistry
 CS
       and Molecular Biology, University of Leeds, Leeds, LS2 9JT, UK
       m.j.mcpherson@leeds.ac.uk
       Biochemical Society Transactions, (June 2003) Vol. 31, No. 3, pp. 506-509.
 SO
       print.
       CODEN: BCSTB5. ISSN: 0300-5127.
 DT
       Article
 LA
       English
 ED
       Entered STN: 13 Aug 2003
       Last Updated on STN: 13 Aug 2003
       ANSWER 33 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 L2
       DUPLICATE 10
 ΑN
       2003:365348
                       BIOSIS
 DN
       PREV200300365348
       Role of the disulfide bonds in the folding of prouroguanylin and
 TI
       heat-stable enterotoxin.
       Hidaka, Y. [Reprint Author]; Ito, R.; Yamaguchi, H.
 ΑU
       Institute for Protein Research, Osaka University, Suita, Osaka, 565-0871,
CS
      Biopolymers, (2003) Vol. 71, No. 3, pp. 325. print.
SO
      Meeting Info.: 18th American Peptide Symposium on Peptide Revolution:
      Genomics, Proteomics and Therapeutics. Boston, MA, USA. July 19-23, 2003. American Peptide Society.
       ISSN: 0006-3525 (ISSN print).
      Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
DT
      English
ED
      Entered STN: 6 Aug 2003
      Last Updated on STN: 6 Aug 2003
      ANSWER 34 OF 216 CAPLUS COPYRIGHT 2004 ACS ON STN
L2
      2004:314093 CAPLUS
AΝ
DN
      141:1416
      Folding of a peptide hormone assisted by a propeptide: Folding of hybrid
TI
      disulfide isomers of uroguanylin and heat-stable enterotoxin
      Hidaka, Yuji; Ito, Len; Segawa, Kaori; Yamaguchi, Hiroshi; Niinobe, Michio Institute for Protein Research, Osaka University, Osaka, 565-0871, Japan
CS
      Peptide Science (2003), Volume Date 2004, 40th, 103-106 CODEN: PSCIFQ; ISSN: 1344-7661 Japanese Peptide Society
SO
PR
      Journal
      English
RE.CNT
        <sup>-</sup>13
                 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
                 ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 35 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
      2003:279043 SCISEARCH
      The Genuine Article (R) Number: 658JD
```

DT

LA

L2

AN

GΑ

```
Purification, bacteriolytic activity, and specificity of beta-lytic
  TI
         protease from Lysobacter sp IB-9374
Ahmed K; Chohnan S; Ohashi H; Hirata T; Masaki T (Reprint); Sakiyama F
Ibaraki Univ, Coll Agr, Dept Bioresource Sci, 3-21-1 Chu Ou, Ami, Ibaraki
3000393, Japan (Reprint); Ibaraki Univ, Coll Agr, Dept Bioresource Sci,
Ami Thanki 2000303, Japan The Buddhist Univ, Osaka 5838501. Japan
  ΑU
         Ami, Ibaraki 3000393, Japan; Int Buddhist Univ, Osaka 5838501, Japan
  CYA
         Japan
         JOURNAL OF BIOSCIENCE AND BIOENGINEERING, (JAN 2003) Vol. 95, No. 1, pp.
         27-34
         Publisher: SOC BIOSCIENCE BIOENGINEERING JAPAN, OSAKA UNIV, FACULTY
         ENGINEERING, 2-1 YAMADAOKA, SUITA, OSAKA, 565-0871, JAPAN.
         ISSN: 1389-1723.
         Article; Journal
  DT
  LA
         English
  REC
         Reference Count: 52
         *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
        ANSWER 36 OF 216 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States
  L2
                         It contains copyrighted materials. All rights reserved.
        (2004) on STN
2003:51502 A
                                                                              DUPLICATE 11
  AN
                        AGRICOLA
 DN
        IND23340077
        A peptide sequence--YSGVCHTDLHAWHGDWPLPVK [40-60]--in yeast alcohol dehydrogenase prevents the aggregation of denatured substrate proteins.
  TI
        Bhattacharyya, J.; Santhoshkumar, P.; Sharma, K.K. DNAL (442.8 B5236)
 ΑU
 ΑV
        Biochemical and biophysical research communications, July 18, 2003. Vol.
 SO
        307, No. 1. p. 1-7
        Publisher: Orlando, Fla. : Academic Press.
CODEN: BBRCA9; ISSN: 0006-291X
 NTE
        Includes references
        Florida; United States
 CY
 DT
 FS
        U.S. Imprints not USDA, Experiment or Extension
 LA
        English
        ANSWER 37 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 L2
        DUPLICATE 12
        2004:76634
 AN
                       BIOSIS
 DN
        PREV200400078764
       A new approach for alteration of protease functions: Pro-sequence
 TI
        engineering.
 ΑU
        Taƙagi, Н. [Reprint Author]; Takahashi, м.
       Department of Bioscience, Fukai Prefectural University, 4-1-1 Kenjojima, Matsuoka-cho, Fukui, 910-1195, Japan
        hiro@fpu.ac.jp
       Applied Microbiology and Biotechnology, (November 2003) Vol. 63, No. 1,
 SO
       pp. 1-9. print.
       CODEN: AMBIDG. ISSN: 0175-7598.
 DT
       Article
       General Review; (Literature Review)
       English
ED
       Entered STN: 4 Feb 2004
       Last Updated on STN: 4 Feb 2004
       ANSWER 38 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L2
       2003:517854 BIOSIS
ΑN
       PREV200300520147
DN
       In vivo dissection of autotransporter folding: Trans complementation of BrkA passenger folding using the pertactin 'junction' region.
Oliver, D. C. [Reprint Author]; Gerrie, A. S. [Reprint Author]; Fernandez, R. C. [Reprint Author]
TI
       University of British Columbia, Vancouver, BC, Canada
CS
      Abstracts of the General Meeting of the American Society for Microbiology, (2003) Vol. 103, pp. B-422. http://www.asmusa.org/mtgsrc/generalmeeting.ht
       m. cd-rom.
      Meeting Info.: 103rd American Society for Microbiology General Meeting.
      Washington, DC, USA. May 18-22, 2003. American Society for Microbiology. ISSN: 1060-2011 (ISSN print).
      Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
DT
      English
ED
      Entered STN: 5 Nov 2003
      Last Updated on STN: 5 Nov 2003
```

```
L2
         ANSWER 39 OF 216 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
         DUPLICATE 13
  AN
         2003-02656 BIOTECHDS
         Preparing recombinant proteinase K in yeast, useful for analysis and
  TI
         diagnosis, using a signal peptide for secretion of a precursor which is
         activated autocatalytically;
            vector-mediated gene transfer and expression in host cell for
            recombinant protein production
         MUELLER R; THALHOFER J; GEIPEL F; GLASER S; HOELKE W; SCHOEN H; KIRSCHBAUM T
  ΑU
  PΑ
         ROCHE DIAGNOSTICS GMBH
        DE 10105911 14 Aug 2002
DE 2001-1005911 9 Feb 2001
  PΙ
  AΤ
        DE 2001-1005911 9 Feb 2001; DE 2001-1005911 9 Feb 2001
  PRAI
  DT
        Patent
        German
  LA
 os
        WPI: 2002-667990 [72]
       ANSWER 40 OF 216 IFIPAT COPYRIGHT 2004 IFI on STN DUPLICATE 14
 L2
        10221005
 ΑN
                   IFIPAT; IFIUDB; IFICDB
 TT
        CHIMERIC PROTEIN CONTAINING AN
                                              ***INTRAMOLECULAR***
                                                                           ***CHAPERONE***
         -LIKE SEQUENCE
 TN
        Gan Zhong-Ru (CN)
 PΙ
        US 2002164712
                          Α1
                               20021107
        US 2002-54873
 ΑI
                               20020122
 RLI
        WO 1998-CN52
                               19980331 Section 371 PCT Filing UNKNOWN
        US 2000-423100
                               20001211 CONTINUATION
                                                                     PENDING
 FI
        US 2002164712
                               20021107
        Utility; Patent Application - First Publication
 DT
 FS
        CHEMICAL
        APPLICATION
 CLMN
 GI
         2 Figure(s).
       FIGS. IA and 1B. Structure of proinsulin and mature insulin with correctly formed disulfide bridges. 1A depicts the structure of proinsulin. 1B
        depicts the structure of mature insulin with correctly formed disulfide
        bridges.
       FIG. 2. Map of the hGH-mini-proinsulin (SEQ ID NO: 6) expression vector
        (pZRhi-1).
 L2
      ANSWER 41 OF 216 USPATFULL ON STN
                                                                  DUPLICATE 15
 ΑN
         2002:251173 USPATFULL
        Biologically active protein folding intermediates Inouye, Masayori, Piscataway, NJ, UNITED STATES Shinde, Ujwal, Gladstone, OR, UNITED STATES
 TI
 IN
         Fu, Xuan, Piscataway, NJ, UNITED STATES
        UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY (U.S. corporation)
PA
PΙ
         US 2002137118
                                    20020926
                              Α1
        US 2001-935744
US 2000-227468P
Utility
ΑI
                                    20010824 (9)
                              Α1
PRAI
                               20000824 (60)
DT
FS
        APPLICATION
LN.CNT
        572
INCL
        INCLM: 435/023.000
        INCLS: 435/068.100
NCL
        NCLM:
                435/023.000
        NCLS:
                435/068.100
IC
        [7]
        ĪCM: C12Q001~37
        ICS: C12P021-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L2
      ANSWER 42 OF 216 USPATFULL ON STN
        2002:338194 USPATFULL
AΝ
TI
        Oligomeric chaperone proteins
IN
        Hill, Fergal Conan, Les Martres de Veyre, FRANCE
        Chatellier, Jean, Les Martres de Veyre, FRANCE
        Fersht, Alan Roy, Cambridge, UNITED KINGDOM
US 2002193564 A1 20021219
        US 2002193564
US 2001-7314
PΙ
AΤ
                              Α1
                                    20011108 (10)
        Continuation-in-part of Ser. No. WO 2000-GB1822, filed on 12 May 2000,
RLI
        UNKNOWN
        GB 1999-11298
GB 1999-30530
PRAI
                               19990514
                               19991223
        Utility
DT
FS
        APPLICATION
```

```
LN.CNT 2196
  INCL
            INCLM: 530/350.000
            INCLS: 435/235.100
  NCL
           NCLM:
                    530/350.000
           NCLS:
                    435/235.100
  IC
           ICM: C07K014-005
           ICS: C12N007-00
  CAS INDEXING IS AVAILABLE FOR THIS PATENT.
        ANSWER 43 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
  L2
         2002:928683
  AN
                         SCISEARCH
  GA
        The Genuine Article (R) Number: 610WR
        Identification of a novel maturation mechanism and restricted substrate
        specificity for the SspB cysteine protease of Staphylococcus aureus
Massimi I; Park E; Rice K; Muller-Esterl W; Sauder D; McGavin M J
  ΑU
         (Reprint)
        Sunnybrook & Womens Coll, Hith Sci Ctr, Dept Microbiol S112, 2075 Bayview Ave, Toronto, ON M4N 3M5, Canada (Reprint); Univ Frankfurt, Sch Med, Inst
  CS
        Ave, Toronto, ON M4N 3M5, Canada (Reprint); Univ Frankfurt, Sch Med, Inst Biochem 2, D-60590 Frankfurt, Germany; Sunnybrook & Womens Coll, Hlth Sci Ctr, Dept Dermatol, Toronto, ON M4N 3M5, Canada; Univ Toronto, Dept Med, Toronto, ON M5G 1L5, Canada; Univ Toronto, Dept Lab Med & Pathobiol, Canada; Gormany
 CYA
        Canada; Germany
        JOURNAL OF BIOLOGICAL CHEMISTRY, (1 NOV 2002) Vol. 277, No. 44, pp.
 so
        41770-41777
        Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
        PIKE, BETHESDA, MD 20814-3996 USA. ISSN: 0021-9258. Article; Journal
 DT
 LA
        English
 REC
        Reference Count: 53
        *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
       ANSWER 44 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 L2
        DUPLICATE 16
 ΑN
        2002:535770
                        BIOSIS
 DN
        PREV200200535770
       Sucrase is an
                            ***intramolecular***
 TI
                                                              ***chaperone***
                                                                                      located at the
       C-terminal end of the sucrase-isomaltase enzyme complex.

Jacob, Ralf; Puerschel, Berit; Naim, Hassan Y. [Reprint author]
       Dept. of Physiological Chemistry, School of Veterinary Medicine Hannover, Buenteweg 17, D-30559, Hannover, Germany hassan naim@tiho-hannover.de
 CS
       Journal of Biological Chemistry, (August 30, 2002) Vol. 277, No. 35, pp.
 SO
       32141-32148. print.
       CODEN: JBCHA3. ISSN: 0021-9258.
DT
       Article
 LA
       English
       Entered STN: 16 oct 2002
ED
       Last Updated on STN: 16 Oct 2002
L2
       ANSWER 45 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
ΑN
       2002:360499
                       SCISEARCH
GΑ
       The Genuine Article (R) Number: 545EH
       Folding of the Plasmodium falciparum cysteine protease falcipain-2 is
TI
       mediated by a chaperone-like peptide and not the prodomain
       Sijwali P S; Shenai B R; Rosenthal P J (Reprint)
ΑU
      Univ Calif San Francisco, San Francisco Gen Hosp, Dept Med, Box 0811, San Francisco, CA 94143 USA (Reprint); Univ Calif San Francisco, San Francisco Gen Hosp, Dept Med, San Francisco, CA 94143 USA
CYA
      JOURNAL OF BIOLOGICAL CHEMISTRY, (26 APR 2002) Vol. 277, No. 17, pp.
       14910-14915.
      Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
      PIKE, BETHESDA, MD 20814-3996 USA.
ISSN: 0021-9258.
      Article; Journal
DT
LA
      English
REC
      Reference Count: 38
       *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
      ANSWER 46 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L2
      DUPLICATE 17
      2002:287107 BIOSIS
AΝ
      PREV200200287107
DN
```

```
The ordered and compartment-specific autoproteolytic removal of the furin ***intramolecular*** ***chaperone*** is required for enzyme
  TI
        activation.
  ΑU
        Anderson, Eric D.; Molloy, Sean S.; Jean, Francois; Fei, Hao; Shimamura, Satoko; Thomas, Gary [Reprint author]
  CS
        Vollum Institute, Portland, OR, 97201, USA
        thomasg@ohsu.edu
        Journal of Biological Chemistry, (April 12, 2002) Vol. 277, No. 15, pp.
  SO
        12879-12890. print.
CODEN: JBCHA3. ISSN: 0021-9258.
  DT
        Article
        English
  LA
  ED
        Entered STN: 8 May 2002
        Last Updated on STN: 8 May 2002
       ANSWER 47 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
  L2
       DUPLICATE 18
  AN
       2002:247124
                       BIOSIS
        PREV200200247124
  DN
       The prosequence of human lactase-phlorizin hydrolase modulates the folding
  TT
       of the mature enzyme.
       Jacob, Ralf; Peters, Karen; Naim, Hassan Y. [Reprint author]
Department of Physiological Chemistry, School of Veterinary Medicine
 ΑU
 CS
       Hannover, Buenteweg 17, Hannover, D-30559, Germany
       Hassan.Naim@tiho-hannover.de
       Journal of Biological Chemistry, (March 8, 2002) Vol. 277, No. 10, pp. 8217-8225. print.
 SO
       CODEN: JBCHA3. ISSN: 0021-9258.
 DT
       Article
 LA
       English
 ED
       Entered STN: 17 Apr 2002
       Last Updated on STN: 17 Apr 2002
 L2
       ANSWER 48 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
 AN
       2003:5461 SCISEARCH
       The Genuine Article (R) Number: 625UP
Prodomains and protein folding catalysis
 GΑ
 ΤI
 ΑU
       Bryan P N (Reprint)
       Univ Maryland, Maryland Biotechnol Inst, Ctr Adv Res Biotechnol, 9600
 CS
       Gudelsky Dr, Rockville, MD 20850 USA (Reprint); Univ Maryland, Maryland Biotechnol Inst, Ctr Adv Res Biotechnol, Rockville, MD 20850 USA
 CYA
       CHEMICAL REVIEWS, (DEC 2002) Vol. 102, No. 12, pp. 4805-4815. Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA.
 SO
       ISSN: 0009-2665.
 DT
       General Review; Journal
 LA
       English
 REC
       Reference Count: 112
      ANSWER 49 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 19 \,
 L2
 AN
      2002:168845
                      BIOSIS
DN
      PREV200200168845
      A conserved sequence within the propeptide domain of membrane type 1
TI
      matrix metalloproteinase is critical for function as an ***intramolecular*** ***chaperone***__.
ΑU
      Pavlaki, Maria; Cao, Jian; Hymowitz, Michelle; Chen, Wen-Tien; Bahou,
      Wadie; Zucker, Stanley [Reprint author]
CS
      VA Medical Center, Northport, NY, 11768, USA
      s_zucker@yahoo.com
      Journal of Biological Chemistry, (January 25, 2002) vol. 277, No. 4, pp.
50
      2740-2749. print.
      CODEN: JBCHA3. ISSN: 0021-9258.
DT
      Article
LA
      English
ED
      Entered STN: 5 Mar 2002
      Last Updated on STN: 5 Mar 2002
      ANSWER 50 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L2
      DUPLICATE_20
      2002:423374
                     BIOSIS
DN
      PREV200200423374
      alpha-Crystallin binds to the aggregation-prone molten-globule state of
TI
      alkaline protease: Implications for preventing irreversible thermal
      denaturation.
      Tanksale, Aparna; Ghatge, Mohini; Deshpande, Vasanti [Reprint author]
ΑU
```

```
Division of Biochemical Sciences, National Chemical Laboratory, Pune,
  CS
        411008, India
        vasanti@dalton.ncl.res.in; vasantil2000@yahoo.com
        Protein Science, (July, 2002) Vol. 11, No. 7, pp. 1720-1728. print.
  SO
        ISSN: 0961-8368.
Article
  DT
        English
  LA
       Entered STN: 7 Aug 2002
  ED
       Last Updated on STN: 7 Aug 2002
       ANSWER 51 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 L2
       DUPLICATE 21
       2002:497165
 AN
                       BIOSIS
 DN
       PREV200200497165
       The role of the D1 domain of the von Willebrand factor propeptide in
 TI
       multimerization of VWF.
       Rosenberg, Jonathan B.; Haberichter, Sandra L.; Jozwiak, Mary A.; Vokac,
 ΑU
       Elizabeth A.; Kroner, Philip A.; Fahs, Scot A.; Kawai, Yohko; Montgomery,
       Robert R. [Reprint author]
       Department of Pediatrics, Medical College of Wisconsin, 8701 W Watertown Plank Rd, Milwaukee, WI, 53226, USA
 CS
       bob@bcsew.edu
       Blood, (September 1, 2002) Vol. 100, No. 5, pp. 1699-1706. print. CODEN: BLOOAW. ISSN: 0006-4971.
 SO
 DT
       Article
 LA
       English
 ED
       Entered STN: 25 Sep 2002
       Last Updated on STN: 25 Sep 2002
        ANSWER 52 OF 216 Elsevier BIOBASE COPYRIGHT 2004 Elsevier Science B.V.
 L2
        on STN
                                                                 DUPLICATE
 ΑN
        2002242922
                       ESBIOBASE
        Role of the prosegment of Fasciola hepatica cathepsin L1 in folding of
 TI
        the catalytic domain
 ΑU
        Cappetta M.; Roth I.; Diaz A.; Tort J.; Roche L.
        L. Roche, Departamento de Genetica, Facultad de Medicina, Gral. Flores
 CS
        2125, Montevideo 11800, Uruguay.
        Biological Chemistry, (2002), 383/7-8 (1215-1221), 25 reference(s) CODEN: BICHF3 ISSN: 1431-6730
 SO
        Journal; Article
 DT
 CY
        Germany, Federal Republic of
 LA
        English
 SL
        English
      ANSWER 53 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. ON STN
L2
      DUPLICATE 23
ΑN
      2002:396972
                     BIOSIS
DN
      PREV200200396972
ΤI
         ***Intramolecular***
                                      ***chaperones***
                                                            modulate precise activation
      of proteases.
      Shinde, Ujwal P. [Reprint author]; Subbian, Ezhilkani [Reprint author]; Yabuta, Yukihiro [Reprint author]
Department of Biochemistry and Molecular Biology, Oregon Health Sciences
ΑU
CS
      University, 3181 SW Sam Jackson Park Road, Portland, OR, 97201, USA
      FASEB Journal, (March 22, 2002) Vol. 16, No. 5, pp. A1195. print. Meeting Info.: Annual Meeting of Professional Research Scientists on
SO
      Experimental Biology. New Orleans, Louisiana, USA. April 20-24, 2002. CODEN: FAJOEC. ISSN: 0892-6638.
      Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
DT
LA
      English
      Entered STN: 24 Jul 2002
      Last Updated on STN: 29 Aug 2002
      ANSWER 54 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L2
      DUPLICATE 24
ΔN
      2002:469830
                    BIOSIS
      PREV200200469830
DN
     Acidic residues on the N-terminus of proinsulin C-peptide are important for the folding of insulin precursor.
ΤI
     Chen, Li-Ming; Yang, Xing-Wen; Tang, Jian-Guo [Reprint author]
     National Laboratory of Protein Engineering and Plant Genetic Engineering
CS
     College of Life Sciences, Peking University, 100871, Beijing, China
      lxzyx@pku.edu.cn
     Journal of Biochemistry (Tokyo), (Jun., 2002) Vol. 131, No. 6, pp.
SO
     855-859. print.
```

```
CODEN: JOBIAO. ISSN: 0021-924X.
  DT
        Article
        English
  LA
  ED
        Entered STN: 4 Sep 2002
        Last Updated on STN: 4 Sep 2002
        ANSWER 55 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
  L2
        DUPLICATE 25
        2002:588694
  AN
                       BIOSIS
  DN
        PREV200200588694
        Efficient folding of the FcepsilonRI alpha-chain membrane-proximal domain
  TI
        D2 depends on the presence of the N-terminal domain D1.
        Vangelista, Luca; Cesco-Gaspere, Michela; Lamba, Doriano; Burrone, Oscar
 ΑU
        [Reprint author] International Centre for Genetic Engineering and Biotechnology, Padriciano
 CS
        99, I-34012, Trieste, Italy
        burrone@icgeb_triesté.it
       Journal of Molecular Biology, (27 September, 2002) Vol. 322, No. 4, pp.
 SO
       815-825. print.
       CODEN: JMOBAK. ISSN: 0022-2836.
 DT
       Article
 LA
       English
       Entered STN: 13 Nov 2002
 ED
       Last Updated on STN: 13 Nov 2002
       ANSWER 56 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 L2
       2002:408976
 AN
                       BIOSIS
 DN
       PREV200200408976
 TI
       A conserved sequence within the propeptide domain of membrane type-1
       matrix metalloproteinase (MT1-MMP) is critical for function as an
          ***intramolecular***
                                       ***chaperone***
       Pavlaki, Maria [Reprint author]; Cao, Jian; Hymowitz, Michelle; Chen, Wen-Tien; Bahou, Wadie; Zucker, Stanley State University of New York at Stony Brook, Stony Brook, NY, USA Proceedings of the American Association for Cancer Research Annual
 ΑU
 CS
 SO
       Meeting, (March, 2002) Vol. 43, pp. 544. print.
Meeting Info.: 93rd Annual Meeting of the American Association for Cancer
       Research. San Francisco, Californía, USA. April 06-10, 2002.
       ISSN: 0197-016x.
       Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
 DT
 LA
       English
 ED
       Entered STN: 31 Jul 2002
       Last Updated on STN: 23 Sep 2002
      ANSWER 57 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN 2003:167411 BIOSIS
L2
ΑN
       PREV200300167411
DN
      Function of the N- and C-terminal regions of intestinal lactase-phlorizin
TI
       hydrolase and sucrase-isomaltase as
                                                    ***intramolecular***
         ***chaperones***
      Jacob, R. [Reprint Author]; Peters, K. [Reprint Author]; Puerschel, B. [Reprint Author]; Naim, H. Y. [Reprint Author]
ΑU
      Department of Physiological Chemistry, School of Veterinary Medicine
CS
      Hannover, Hannover, Germany
Molecular Biology of the Cell, (Nov 2002) Vol. 13, No. Supplement, pp.
SO
      514a. print.
      Meeting Info.: 42nd Annual Meeting of the American Society for Cell
      Biology. San Francisco, CA, USA. December 14-18, 2002. American Society for Cell Biology.

ISSN: 1059-1524 (ISSN print).
      Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
DT
      English
      Entered STN: 2 Apr 2003
ED
      Last Updated on STN: 2 Apr 2003
      ANSWER 58 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
L2
      2003:639162 SCISEARCH
AN
      The Genuine Article (R) Number: 621BR
Function of the N- and C-terminal regions of intestinal lactase-phlorizin
GA
TT
      hydrolase and sucrase-isomaltase as
                                                   ***intramolecular***
        ***chaperones***
AU
      Jacob R (Reprint); Peters K; Purschel B; Naim H Y
      Tierarztlichen Hsch Hannover, Dept Physiol Chem, D-3000 Hannover, Germany
CS
CYA
      Germany
```

```
MOLECULAR BIOLOGY OF THE CELL, (NOV 2002) Vol. 13, pp. 514A-514A. MA 2892.
  SO
       Publisher: AMER SOC CELL BIOLOGY, 8120 WOODMONT AVE, STE 750, BETHESDA, MD 20814-2755 USA.
        ISSN: 1059-1524.
       Conference; Journal
 DT
 ΙA
       English
       Reference Count: 0
 REC
       ANSWER 59 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
       2002:342421 BIOSIS
 ΑN
 DΝ
       PREV200200342421
          ***Intramolecular***
 TI
                                       ***chaperone***
                                                             activity of a propeptide from
       a bacterial zinc aminopeptidase.
Nirasawa, Satoru [Reprint author]; Hayashi, Kiyoshi [Reprint author]
 ΑU
       National Food Research Institute, 2-1-12 Kannondai, Tsukuba, 305-8642,
 CS
       Japan
       Biophysical Journal, (January, 2002) Vol. 82, No. 1 Part 2, pp. 318a.
 50
       print.
       Meeting Info.: 46th Annual Meeting of the Biophysical Society. San
       Francisco, California, USA. February 23-27, 2002.
       CODEN: BIOJAU. ISSN: 0006-3495.
       Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
 DT
 LA
       English
       Entered STN: 19 Jun 2002
 FD
       Last Updated on STN: 19 Jun 2002
       ANSWER 60 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN 2002:161316 SCISEARCH
 L2
 ΑN
       The Genuine Article (R) Number: 511EY
 GΑ
         ***Intramolecular***
 TI
                                       ***chaperone***
                                                            activity of a propeptide from
       a bacterial zinc aminopeptidase
       Nirasawa S (Reprint); Hayashi K
 ΑU
 CS
       Natl Food Res Inst, Tsukuba, Ibaraki 3058642, Japan
 CYA
      BIOPHYSICAL JOURNAL, (JAN 2002) Vol. 82, No. 1, Part 2, pp. 318A-318A. MA
 SO
       1544.
      Publisher: BIOPHYSICAL SOCIETY, 9650 ROCKVILLE PIKE, BETHESDA, MD
       20814-3998 USA.
       ISSN: 0006-3495.
DT
      Conference; Journal
      English
LA
REC
      Reference Count: 0
L2
      ANSWER 61 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
AN
      2002:169944 SCISEARCH
GΑ
      The Genuine Article (R) Number: 520YG
      Sorting for storage in myeloid cells of nonmyeloid proteins and chimeras
TI
      with the propeptide of myeloperoxidase precursor
ΑIJ
      Bulow E (Reprint); Nauseef W M; Goedken M; McCormick S; Calafat J;
      Gullberg U; Olsson I
      BMC, Dept Hematol, C14, S-22184 Lund, Sweden (Reprint); Lund Univ, Dept Hematol, S-22100 Lund, Sweden; Vet Adm Med Ctr, Inflammat Program, Iowa City, IA USA; Vet Adm Med Ctr, Dept Med, Iowa City, IA USA; Univ Iowa, Iowa City, IA USA; Netherlands Canc Inst, Amsterdam, Netherlands
CS
CYA
      Sweden; USA; Netherlands
      JOURNAL OF LEUKOCYTE BIOLOGY, (FEB 2002) Vol. 71, No. 2, pp. 279-288.
SO
      Publisher: FEDERATION AMER SOC EXP BIOL, 9650 ROCKVILLE PIKE, BETHESDA, MD
      20814-3998 USA.
      ISSN: 0741-5400.
      Article; Journal
DT
IA
      English
REC
      Reference Count: 50
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
12
      ANSWER 62 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
      2002:528809 SCISEARCH
AΝ
      The Genuine Article (R) Number: 564MH
GΑ
     Molecular characterization of fervidolysin, a subtilisin-like serine
TI
     protease from the thermophilic bacterium Fervidobacterium pennivorans
     Kluskens L D (Reprint); Voorhorst W G B; Siezen R J; Schwerdtfeger R M; Antranikian G; van der Oost J; de Vos W M
     Univ Wageningen & Res Ctr, Microbiol Lab, Hesselink Suchtelenweg 4,
CS
     NL-6703 CT Wageningen, Netherlands (Reprint); Univ Wageningen & Res Ctr,
Microbiol Lab, NL-6703 CT Wageningen, Netherlands; NIZO Food Res, Ede,
```

```
Netherlands; Tech Univ Hamburg, Inst Biotechnol, Dept Tech Microbiol,
        D-2100 Hamburg, Germany
        Netherlands; Germany
  CYA
        EXTREMOPHILES, (JUN 2002) Vol. 6, No. 3, pp. 185-194.
  SO
        Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010 USA.
        ISSN: 1431-0651.
        Article; Journal
 DT
  LA
        English
 REC
        Reference Count: 63
        *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
       ANSWER 63 OF 216 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States
 L2
       of America.
                        It contains copyrighted materials. All rights reserved.
        (2004) on STN
                                                                        DUPLĪCATE 26
        2002:29491 AGRICOLA
 ΑN
       IND23265951
 DN
       Structure of POIA1, a homologous protein to the propeptide of subtilisin: implication for protein foldability and the function as an ***intramolecular*** ***chaperone***
 TI
       Sasakawa, H.; Yoshinaga, S.; Kojima, S.; Tamura, A. DNAL (442.8 J8224)
 ΑU
 ΑV
       Journal of molecular biology, Mar 15, 2002. Vol. 317, No. 1. p. 159-167
Publisher: London; New York: Academic Press, 1959-
 SO
       CODEN: JMOBAK; ISSN: 0022-2836
 NTE
       Includes references
       England; United Kingdom
 CY
 DT
       Article
 FS
       Non-U.S. Imprint other than FAO
 LA
       English
 L2
       ANSWER 64 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
 AN
       2002:266083 SCISEARCH
       The Genuine Article (R) Number: 530DG
 GΑ
       Functional alteration of Bacillus subtilis protease (subtilisin) by
 TI
       engineering of the pro-sequence
 ΑU
       Takahashi м (Reprint); Takagi н
       Fukui Prefectural Univ, Dept Biosci, Fukui 9101195, Japan
 CS
CYA
       Japan
       SEIKAGAKU, (FEB 2002) Vol. 74, No. 2, pp. 119-122.
Publisher: JAPANESE BIOCHEMICAL SOC, ISHIKAWA BLDG-3F, 25-16
SO
       HONGO-5-CHOME, BUNKYO-KU, TOKYO, 113, JAPAN.
       ISSN: 0037-1017.
       Article; Journal
DT
LA
       Chinese
      Reference Count: 16
REC
L2
      ANSWER 65 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
       DUPLICATE 27
ΑN
       2002:401114
                      BIOSTS
DN
       PREV200200401114
      Expression of Rhizopus oryzae lipase gene in Saccharomyces cerevisiae.
Ueda, Mitsuyoshi [Reprint author]; Takahashi, Shouji; Washida, Motohisa;
TI
ΑU
      Shiraga, Seizaburo; Tanaka, Atsuo
Laboratory of Applied Biological Chemistry, Department of Synthetic
Chemistry and Biological Chemistry, Graduate School of Engineering, Kyoto
CS
      University, Sakyo-ku, Kyoto, 606-8501, Japan
      miueda@sbchem.kyoto-u.ac.jp
      Journal of Molecular Catalysis B Enzymatic, (7 June, 2002) Vol. 17, No.
SO
      3-5, pp. 113-124. print. ISSN: 1381-1177.
      Article
DT
      General Review; (Literature Review)
ΙΔ
      English
      Entered STN: 24 Jul 2002
ED
      Last Updated on STN: 29 Aug 2002
      ANSWER 66 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
12
      2002:585030 BIOSIS
AN
      PREV200200585030
DN
      Mutational analysis of a conserved ***intramolecular***

***chaperone*** -like region within the Bordetella pertussis
TI
      autotransporter protein Brkā.
      Oliver, D. C. [Reprint author]; Turner, B. M. [Reprint author]; Fernandez, R. C. [Reprint author]
ΑU
CS
      University of British Columbia, Vancouver, BC, Canada
```

```
Abstracts of the General Meeting of the American Society for Microbiology,
  SO
        (2002) Vol. 102, pp. 95. print.
Meeting Info.: 102nd General Meeting of the American Society for
        Microbiology. salt Lake City, UT, USA. May 19-23, 2002. American Society
         for Microbiology.
         ISSN: 1060-2011.
        Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
  DT
  LA
        English
        Entered STN: 13 Nov 2002
  ED
        Last Updated on STN: 13 Nov 2002
         ANSWER 67 OF 216 Elsevier BIOBASE COPYRIGHT 2004 Elsevier Science B.V.
  L2
         on STN
                                                                        DUPLICATE
  ΑN
         2002208886
                          ESBIOBASE
         The role of the N-terminal propeptide of the pro-aminopeptidase
  TI
         processing protease: Refolding, processing, and enzyme inhibition
         Tang B.; Nirasawa S.; Kitaoka M.; Hayashi K.
K. Hayashi, Enzyme Laboratory, Biological Function Division, National Food Research Institute, Tsukuba, Ibaraki 305-8642, Japan.
E-mail: khayashi@nfri.affrc.go.jp
  ΑU
  CS
         Biochemical and Biophysical Research Communications, (2002), 296/1 (78-84), 32 reference(s)
 SO
         CODEN: BBRCAO ISSN: 0006-291X
 PUI
         S0006291X02008380
 DT
         Journal; Article
 CY
         United States
 LA
         English
 SL
         English
        ANSWER 68 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 L2
        DUPLICATE 29
 ΑN
        2002:237702
                        BIOSIS
        PREV200200237702
 DN
       Folding pathway mediated by an ***intramolecular*** ***chaperone***: Dissecting conformational changes coincident with autoprocessing and the
 ΤI
       role of Ca2+ in subtilisin maturation.
       Yabuta, Yukihiro; Subbian, Ezhilkani; Takagi, Hiroshi [Reprint author]; Shinde, Ujwal; Inouye, Masayori Department of Bioscience, Fukui Prefectural University, 4-1-1 Kenjojima,
 ΑU
 CS
       Matsuoka-cho, Fukui, 910-1195, Japan
       hiro@fpu.ac.jp
       Journal of Biochemistry (Tokyo), (Jan., 2002) Vol. 131, No. 1, pp. 31-37.
 SO
       CODEN: JOBIAO. ISSN: 0021-924X.
 DT
       Article
 LA
       English
 FD
       Entered STN: 10 Apr 2002
       Last Updated on STN: 10 Apr 2002
L2
       ANSWER 69 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
                      SCISEARCH
ΑN
GΑ
       The Genuine Article (R) Number: 553CE
       In vitro stepwise autoprocessing of the proform of pro-aminopeptidase
TI
      processing protease from Aeromonas caviae T-64
Tang B; Nirasawa S; Kitaoka M; Hayashi K (Reprint)
Natl Food Res Inst, Biol Funct Div, Enzyme Lab, 2-1-2 Kannondai, Tsukuba,
Ibaraki 3058642, Japan (Reprint); Natl Food Res Inst, Biol Funct Div,
ΑU
CS
       Enzyme Lab, Tsukuba, Ibaraki 3058642, Japan
CYA
      Japan
      BIOCHIMICA ET BIOPHYSICA ACTA-PROTEIN STRUCTURE AND MOLECULAR ENZYMOLOGY,
S0
      (1 APR 2002) Vol. 1596, No. 1, pp. 16-27. Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM,
      NETHERLANDS.
      ISSN: 0167-4838.
      Article; Journal
DT
IA
      English
REC
      Reference Count: 43
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
       ANSWER 70 OF 216 CEABA-VTB COPYRIGHT 2004 DECHEMA ON STN
L2
       2002(04):5206 CEABA-VTB
AN
                                         FS B
TI
       Function of the prosequence for in vivo folding and secretion of active
       Rhizopus oryzae lipase in Saccharomyces cerevisiae
ΑU
       Takahashi, S.; Ueda, M.; Tanaka, A.
CS
       Kyoto Univ., Yoshida, Sakyo-ku, Kyoto, J
```

```
50
         Applied Microbiology and Biotechnology (2001) 55(4), 42 Reference(s),
         454-462, 6f
         CODEN: AMBIDG ISSN: 0175-7598
 LA
         English
 L2
        ANSWER 71 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
       DUPLICATE 30
2002:169420
 ΑN
                        BIOSIS
 DN
       PREV200200169420
 TI
       Folding pathway mediated by an
                                                  ***intramolecular***
                                                                                   ***chaperone***
          Propeptide release modulates activation precision of pro-subtilisin.
       Yabuta, Yukihiro; Takagi, Hiroshi; Inouye, Masayori; Shinde, Ujwal
 AU
        [Reprint author]
       Dept. of Biochemistry and Molecular Biology, Oregon Health Sciences
 CS
       University, 3181 SW Sam Jackson Park Rd., MRB631, Mail code: L224, Portland, OR, 97201-3098, USA
       shindeu@ohsu.edu
 so
       Journal of Biological Chemistry, (November 30, 2001) Vol. 276, No. 48, pp.
       44427-44434. print.
       CODEN: JBCHA3. ISSN: 0021-9258.
 DT
       Article
       English
 LA
       Entered STN: 5 Mar 2002
 ED
       Last Updated on STN: 5 Mar 2002
 L2
       ANSWER 72 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
 ΑN
       2001:944925 SCISEARCH
 GA
       The Genuine Article (R) Number: 494QQ
 ΤI
       A secreted aminopeptidase of Pseudomonas aeruginosa - Identification,
       primary structure, and relationship to other aminopeptidases
Cahan R; Axelrad I; Safrin M; Ohman D E; Kessler E (Reprint)
ΑU
       Tel Aviv Univ, Sackler Fac Med, Sheba Med Ctr, Maurice & Gabriela Goldschleger Eye Res Inst, IL-52621 Tel Hashomer, Israel (Reprint); Virginia Commonwealth Univ, Med Coll Virginia, Richmond, VA 23298 USA;
CS
       McGuire Dept Vet Affairs Med Ctr, Richmond, VA 23249 USA
CYA
       Israel; USA
       JOURNAL OF BIOLOGICAL CHEMISTRY, (23 NOV 2001) Vol. 276, No. 47, pp.
SO
       43645-43652.
       Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
       PIKE, BETHESDA, MD 20814 USA. ISSN: 0021-9258.
DT
       Article; Journal
LA
       English
       Reference Count: 57
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
REC
L2
       ANSWER 73 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN 2001:928125 SCISEARCH
ΑN
       The Genuine Article (R) Number: 490wM
Crystal structure of the precursor of galactose oxidase: An unusual
GΑ
TT
       self-processing enzyme
      Firbank S J; Rogers M S; Wilmot C M; Dooley D M; Halcrow M A; Knowles P F; McPherson M J; Phillips S E V (Reprint)
Univ Leeds, Sch Biochem & Mol Biol, Astbury Ctr Struct Mol Biol, Leeds LS2
9JT, W Yorkshire, England (Reprint); Univ Leeds, Sch Chem, Leeds LS2
9JT, W Yorkshire, England; Montana State Univ, Dept Chem & Biochem, Bozeman, MT
ΑU
CS
       59717 USA
CYA
      England: USA
      PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (6 NOV 2001) Vol. 98, No. 23, pp. 12932-12937.
SO
      Publisher: NATL ACAD SCIENCES, 2101 CONSTITUTION AVE NW, WASHINGTON, DC
       20418 USA
      ISSN: 0027-8424.
DT
      Article; Journal
LA
      English
REC
      Reference Count: 45
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
L2
      ANSWER 74 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 31
      2001:526834
                      BIOSIS
AN
      PREV200100526834
      Overproduction of PDR3 suppresses mitochondrial import defects associated
TI
      with a TOM70 null mutation by increasing the expression of TOM72 in
      Saccharomyces cerevisiae.
      Koh, Julie Y.; Hajek, Petr; Bedwell, David M. [Reprint author]
ΑU
```

```
Department of Microbiology, The University of Alabama at Birmingham, 1530
 CS
        Third Ave., South, BBRB 432, Birmingham, AL, 35294-2170, USA dbedwell@uab.edu
 SO
       Molecular and Cellular Biology, (November, 2001) vol. 21, No. 22, pp.
        7576-7586. print.
       CODEN: MCEBD4. ISSN: 0270-7306.
 DT
       Article
       English
 LA
       Entered STN: 14 Nov 2001
 ED
       Last Updated on STN: 23 Feb 2002
 L2
       ANSWER 75 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. ON STN
       DUPLICATE 32
2001:503873
 AN
       PREV200100503873
 DN
       Subtilisin-like autotransporter serves as maturation protease in a
 TI
       bacterial secretion pathway.
Coutte, Loic; Antoine, Rudy; Drobecq, Herve; Locht, Camille;
Jacob-Dubuisson, Francoise [Reprint author]
INSERM U447, Institut Pasteur de Lille, 1 Rue Calmette, 59019, Lille
 ΑU
 CS
       Cedex, France
       francoise.jacob@pasteur-lille.fr
       EMBO (European Molecular Biology Organization) Journal, (September 17, 2001) Vol. 20, No. 18, pp. 5040-5048. print. CODEN: EMJODG. ISSN: 0261-4189.
 SO
       Article
 DT
 LA
       Enalish
 ED
       Entered STN: 31 Oct 2001
       Last Updated on STN: 23 Feb 2002
        ANSWER 76 OF 216 Elsevier BIOBASE COPYRIGHT 2004 Elsevier Science B.V.
 L2
                                                                   DUPLICATE
 AN
        2001202454
                       ESBIOBASE
        The pro-sequence facilitates folding of human nerve growth factor from Escherichia coli inclusion bodies
 TI
        Rattenholl A.; Lilie H.; Grossmann A.; Stern A.; Schwarz E.; Rudolph R.
 ΑU
        E. Schwarz, Institut fur Biotechnologie, Martin-Luther-Univ.
 CS
        Halle-Wittenberg, Kurt-Mothes-Str. 3, D-06120 Halle/Saale, Germany.
        E-mail: elisabeth.schwarz@biochemtech.uni-halle.de
        European Journal of Biochemistry, (2001), 268/11 (3296-3303), 36
SO
        reference(s)
        CODEN: EJBCAI IS
Journal; Article
                         ISSN: 0014-2956
DT
CY
        United Kingdom
LA
        English
SL
        English
L2
      ANSWER 77 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
      2001:442954 SCISEARCH
AN
GΑ
      The Genuine Article (R) Number: 437QJ
ΤI
      Active subtilisin-like protease from a hyperthermophilic archaeon in a
      form with a putative prosequence
      Kannan Y; Koga Y; Inoue Y; Haruki M; Takagi M; Imanaka T; Morikawa M;
AU
      Kanaya S (Reprint)
Osaka Univ, Grad S
      Osaka Univ, Grad Sch Engn, Dept Mat & Life Sci, 2-1 Yamadaoka, Suita, Osaka 5650871, Japan (Reprint); Osaka Univ, Grad Sch Engn, Dept Mat & Life Sci, Suita, Osaka 5650871, Japan; Osaka Univ, Grad Sch Engn, Dept
CS
      Biotechnol, Suita, Osaka 5650871, Japan; Kyoto Univ, Grad Sch Engn, Dept
      Synthet Chem & Biol Chem, Kyoto 6068501, Japan
CYA
      Japan
SO
      APPLIED AND ENVIRONMENTAL MICROBIOLOGY, (JUN 2001) Vol. 67, No. 6, pp.
      2445-2452.
      Publisher: AMER SOC MICROBIOLOGY, 1752 N ST NW, WASHINGTON, DC 20036-2904
      USA
      ISSN: 0099-2240.
      Article; Journal
DT
ΙΑ
      English
REC
      Reference Count: 43
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
L2
      ANSWER 78 OF 216
                          SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
     2001:795880 SCISEARCH
ΑN
     The Genuine Article (R) Number: 477HD
GA
     The toxins of Bacteroides fragilis
TI
     Sears C L (Reprint)
ΑU
     Johns Hopkins Univ, sch Med, Div Infect Dis, Dept Med, Baltimore, MD 21205
CS
```

USA (Reprint); Johns Hopkins Univ, Sch Med, Div Gastroenterol, Dept Med, Baltimore, MD 21205 USA CYA USA TOXICON, (NOV 2001) Vol. 39, No. 11, pp. 1737-1746. Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, SO KIDLINGTON, OXFORD OX5 1GB, ENGLAND. ISSN: 0041-0101. DT Article; Journal English LA REC Reference Count: 67 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* ANSWER 79 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L2 2002:93099 BIOSIS AN DN PREV200200093099 Action of an intra-molecular chaperone: Activation of Kex2p by its TI pro-region. Lesage, G. [Reprint author]; Lacombe, J. [Reprint author]; Cousineau, M. ΑU [Reprint author]; Guimond, J. [Reprint author]; Helie, G. [Reprint author]; Boileau, G. [Reprint author] Departement de biochimie, Universite de Montreal, Succursale Centre-Ville, CS Montreal, QC, H3C 3J7, Canada Biochemistry and Cell Biology, (2001) Vol. 79, No. 5, pp. 658. print. Meeting Info.: Proceedings of the 11th Winternational Symposium of the SO Canadian Society of Biochemistry and Molecular and Cellular Biology on Dynamics of Intracellular Organelles and Molecular Machines. Beaupre, Qeubec, Canada. February 08-11, 2001. Canadian Society of Biochemistry and Molecular and Cellular Biology. CODEN: BCBIEQ. ISSN: 0829-8211. Conference; (Meeting)
Conference; Abstract; (Meeting Abstract) DT LA English ED Entered STN: 24 Jan 2002 Last Updated on STN: 25 Feb 2002 ANSWER 80 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L2 DUPLICATE 34 ΑN 2001:566820 BIOSIS PREV200100566820 DN Accelerated refolding of subtilisin BPN' by tertiary-structure-forming TI mutants of its propeptide.
Kojima, Shuichi [Reprint author]; Yanai, Hideyuki; Miura, Kin-ichiro ΑU Institute for Biomolecular Science, Gakushuin University, Mejiro, Tokyo, CS 171-8588, Japan shuichi.kojima@gakushuin.ac.jp SO Journal of Biochemistry (Tokyo), (Oct., 2001) Vol. 130, No. 4, pp. 471-474. print. CODEN: JOBIAO. ISSN: 0021-924X. DT Article LA English Entered STN: 12 Dec 2001 Last Updated on STN: 25 Feb 2002 ED L2 ANSWER 81 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN AN 2001:372534 SCISEARCH The Genuine Article (R) Number: 427ZA A plausible function of the prion protein: conjectures and a hypothesis GΑ TI ΑU Abdulla Y H (Reprint) Univ London Kings Coll, MRC, Ctr Dev Neurobiol, Mol Neurobiol Grp, Guys Campus, St Thomas St, London SE1 9RT, England (Reprint); Univ London Kings Coll, MRC, Ctr Dev Neurobiol, Mol Neurobiol Grp, London SE1 9RT, England CS CYA England PUBLISSAYS, (MAY 2001) Vol. 23, No. 5, pp. 456-462.
Publisher: COMPANY OF BIOLOGISTS LTD, BIDDER BUILDING CAMBRIDGE COMMERCIAL PARK COWLEY RD, CAMBRIDGE CB4 4DL, CAMBS, ENGLAND. SO ISSN: 0265-9247 Article; Journal English REC Reference Count: 59 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* ANSWER 82 OF 216 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States L2 of America. It contains copyrighted materials. All rights reserved. (2004) on STN **DUPLÍCATE 35** 2001:62769 AGRICOLA AN

```
DΝ
       IND23220919
       Function of the prosequence for in vivo folding and secretion of active Rhizopus oryzae lipase in Saccharomyces cerevisiae.
 TI
 ΑU
       Takahashi, S.; Ueda, M.; Tanaka, A.
 ΑV
       DNAL (QR1.E9)
       Applied microbiology and biotechnology, May 2001. Vol. 55, No. 4. p.
 SO
       454-462
       Publisher: Berlin, Germany: Springer Verlag. CODEN: AMBIDG; ISSN: 0175-7598
 NTE
       Includes references
 CY
       Germany
 DT
       Article
 FS
       Non-U.S. Imprint other than FAO
 LA
      English
 L2
      ANSWER 83 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 36
 ΔN
      2001:473067
                     BIOSIS
 DN
      PREV200100473067
      Pectin methylesterases: Cell wall enzymes with important roles in plant
 TI
      physiology.
 AU
      Micheli, Fabienne [Reprint author]
      Laboratoire de Biologie Moleculaire des Relations Plantes-Microorganismes,
 CS
      INRA-CNRS, 31326, Castanet-Tolosan Cedex, France micheli@toulouse.inra.fr
      Trends in Plant Science, (September, 2001) Vol. 6, No. 9, pp. 414-419.
S<sub>0</sub>
      print.
ISSN: 1360-1385.
      Article
DT
LA
      English
      Entered STN: 10 oct 2001
ED
      Last Updated on STN: 23 Feb 2002
      ANSWER 84 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L2
      DUPLICATE 37
ΑN
      2002:921
                 BIOSIS
      PREV200200000921
DN
TI
      Mechanism of Kex2p inhibition by its proregion.
      Lesage, Guillaume; Tremblay, Melanie; Guimond, Julie; Boileau, Guy
ΑU
      [Reprint author]
CS
      Departement de Biochimie, Universite de Montreal, Succursale Centre-ville,
      Montreal, QC, H3C 3J7, Canada
      boileaug@bcm.umontreal.ca
      FEBS Letters, (23 November, 2001) Vol. 508, No. 3, pp. 332-336. print. CODEN: FEBLAL. ISSN: 0014-5793.
SO
DT
      Article
      English
LA
ED
      Entered STN: 28 Dec 2001
      Last Updated on STN: 25 Feb 2002
L2
      ANSWER 85 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 38
AN
      2001:265644
                    BIOSIS
      PREV200100265644
DN
      Substrate-induced activation of a trapped IMC-mediated protein folding
TI
      intermediate.
      Inouye, Masayori; Fu, Xuan; Shinde, Ujwal [Reprint author]
Department of Biochemistry, Robert Wood Johnson Medical School, 675 Hoes
ΑU
CS
      Lane, Piscataway, NJ, 08854, USA
      shinde@rwja.umdnj.edu
SO
      Nature Structural Biology, (April, 2001) Vol. 8, No. 4, pp. 321-325.
      print.
      ISSN: 1072-8368.
DΤ
     Article
IA
     English
ED
     Entered STN: 6 Jun 2001
     Last Updated on STN: 19 Feb 2002
1.2
     ANSWER 86 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
                    SCISEARCH
AN
     The Genuine Article (R) Number: 487YL
GΑ
TI
     Structures and functions of precursors of bacterial proteases
     Serkina A V (Reprint); Shevelev A B; Chestukhina G G
ΑU
     All Russia Res Inst Genet & Select Ind Microorgan, Pervyi Dorozhnyi Proezd
1, Moscow 113545, Russia (Reprint); All Russia Res Inst Genet & Select Ind
CS
     Microorgan, Moscow 113545, Russia
```

```
CYA
       Russia
       RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY, (SEP-OCT 2001) Vol. 27, No. 5,
 SO
       pp. 285-305
       Publisher: MAIK NAUKA/INTERPERIODICA, C/O KLUWER ACADEMIC-PLENUM
       PUBLISHERS, 233 SPRING ST, NEW YORK, NY 10013-1578 USA. ISSN: 1068-1620.
       General Review; Journal
 DT
 LA
       English
 REC
       Reference Count: 119
       *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
 L2
       ANSWER 87 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
 AN
       2001:606603 SCISEARCH
       The Genuine Article (R) Number: 456AW Backbone dynamics of the natively unfolded pro-peptide of subtilisin by
 GΑ
 TI
       heteronucléar NMR relaxation studies
      Ruevich A V; Shinde U P; Inouye M; Baum J (Reprint)
Rutgers State Univ, Dept Chem, 610 Taylor Rd, Piscataway, NJ 08854 USA (Reprint); Rutgers State Univ, Dept Chem, Piscataway, NJ 08854 USA; Univ Med & Dent New Jersey, Robert Wood Johnson Med Sch, Dept Biochem,
 ΑU
 CS
       Piscataway, NJ 08854 ÚSA
 CYA
      JOURNAL OF BIOMOLECULAR NMR, (JUL 2001) Vol. 20, No. 3, pp. 233-249.
SO
       Publisher: KLUWER ACADEMIC PUBL, SPUIBOULEVARD 50, PO BOX 17, 3300 AA
      DORDRECHT, NETHERLANDS.
ISSN: 0925-2738.
Article; Journal
DT
       English
LA
REC
      Reference Count: 55
       *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
L2
      ANSWER 88 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 39
AN
       2002:336
                 BIOSTS
      PREV200200000336
DN
      ΤI
ΑU
      Takagi, Hiroshi [Reprint author]; Koga, Mihoko; Katsurada, Saori; Yabuta,
      Yukihiro; Shinde, Ujwal; Inouye, Masayori; Nakamori, Shigeru
Department of Bioscience, Fukui Prefectural University, 4-1-1 Kenjojima,
Matsuoka-cho, Fukui, 910-1195, Japan
CS
      hiro@fpu.ac.jp
      FEBS Letters, (16 November, 2001) Vol. 508, No. 2, pp. 210-214. print. CODEN: FEBLAL. ISSN: 0014-5793.
SO
DT
      Article
      English
LA
      Entered STN: 28 Dec 2001
Last Updated on STN: 25 Feb 2002
ED
L2
      ANSWER 89 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 40
AN
      2001:61293
                   BIOSIS
DN
      PREV200100061293
TI
      Folding pathway mediated by an
                                             ***intramolecular***
                                                                           ***chaperone***
        The structural and functional characterization of the Aqualysin I
      propeptide.
      Marie-Claire, Cynthia; Yabuta, Yukihiro; Suefuji, Kyoko; Matsuzawa, Hiroshi; Shinde, Ujwal [Reprint author]
      Department of Biochemistry, Robert-Wood Johnson Medical School-UMDNJ, 675
CS
      Hoes Lane, Piscataway, NJ, 08854, USA
      shinde@rwja.umdnj.edu
      Journal of Molecular Biology, (5 January, 2001) Vol. 305, No. 1, pp.
SO
      151-165. print.
      CODEN: JMOBAK. ISSN: 0022-2836.
DT
      Article
LA
      English
ED
      Entered STN: 31 Jan 2001
      Last Updated on STN: 12 Feb 2002
L2
       ANSWER 90 OF 216 Elsevier BIOBASE COPYRIGHT 2004 Elsevier Science B.V.
       on STN
                                                                 DUPLICATE
       2001068040
AN
                      ESBIOBASE
TI
       molecular dynamics simulation of Escherichia coli dihydrofolate reductase
       and its protein fragments: Relative stabilities in experiment and
       simulations
       Yuk Yin Sham; Ma B.; Tsai C.-J.; Nussinov R.
```

ΑU

```
Dr. R. Nussinov, NCI-FCRF Bldg. 469, Frederick, MD 21702, United States. E-mail: ruthn@ncifcrf.gov
Protein Science, (2001), 10/1 (135-148), 39 reference(s)
CODEN: PRCIEI ISSN: 0961-8368
 CS
 so
 DT
         Journal; Article
 CY
         United States
 LA
         English
         English
 SL
 L2
       ANSWER 91 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
       DUPLICATE 42
       2001:439820
 ΑN
                      BIOSIS
 DN
       PREV200100439820
       TI
       Conesa, Ana; Weelink, Gerri; van den Hondel, Cees A. M. J. J.; Punt, Peter
 ΑU
       J. [Reprint author]
       Department of Applied Microbiology and Gene Technology, TNO Nutrition and Food Research Institute, 3700 AJ, Zeist, Netherlands
 CS
       p.punt@voeding.tno.nl
       FEBS Letters, (17 August, 2001) Vol. 503, No. 2-3, pp. 117-120. print. CODEN: FEBLAL. ISSN: 0014-5793.
 so
       Article
 DT
 LA
       English
 ED
       Entered STN: 19 Sep 2001
       Last Updated on STN: 22 Feb 2002
 L2
       ANSWER 92 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
 ΑN
       2001:562880
                      SCISEARCH
 GΑ
       The Genuine Article (R) Number: 449ZN
       Improved autoprocessing efficiency of mutant subtilisins E with altered specificity by engineering of the pro-region
 ΤI
       Takahashi M (Reprint); Hasuura Y; Nakamori S; Takagi H
Fukui Prefectural Univ, Dept Biosci, Fukui 9101195, Japan (Reprint)
 ΑU
 CS
 CYA
       Japan
       JOURNAL OF BIOCHEMISTRY, (JUL 2001) Vol. 130, No. 1, pp. 99-106. Publisher: JAPANESE BIOCHEMICAL SOC, ISHIKAWA BLDG-3F, 25-16
 SO
       HONGO-5-CHOME, BUNKYO-KU, TOKYO, 113, JAPAN.
       ISSN: 0021-924x.
       Article; Journal
DT
LA
       English
      Reference Count: 33
REC
       *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
L2
      ANSWER 93 OF 216 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
       Learning Company; All Rights Reserved on STN
AN
      2002:37010 DISSABS
                               Order Number: AAINQ64707
      Structure-function studies of the proprotein convertases: The pro- and
TI
      P-domains
      Zhong, Mei [Ph.D.]; Seidah, Nabil G. [adviser] McGill University (Canada) (0781)
ΑU
CS
      Dissertation Abstracts International, (2000) Vol. 62, No. 12B, p. 5553. Order No.: AAINQ64707. 193 pages.
SO
      ISBN: 0-612-64707-2.
DT
      Dissertation
FS
      DAI
LA
      English
12
      ANSWER 94 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
ΑN
      2001:19702 SCISEARCH
GΑ
      The Genuine Article (R) Number: 384PB
      Processing and sorting of the prohormone convertase 2 propeptide
TI
      Muller L; Cameron A; Fortenberry Y; Apletalina E V; Lindberg I (Reprint)
ΑU
      Louisiana State Univ, Hlth Sci Ctr, Dept Biochem & Mol Biol, 1901 Perdido St, New Orleans, LA 70112 USA (Reprint); Louisiana State Univ, Hlth Sci
      Ctr, Dept Biochem & Mol Biol, New Orleans, LA 70112 USA
CYA
      USA
      JOURNAL OF BIOLOGICAL CHEMISTRY, (15 DEC 2000) Vol. 275, No. 50, pp.
50
      39213-39222.
      Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
      PIKE, BETHESDA, MD 20814 USA. ISSN: 0021-9258.
      Article; Journal
DT
      English
ΙΑ
REC
      Reference Count: 69
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
```

```
L2
        ANSWER 95 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
         DUPLICATE 43
        2000:478199
  AN
                          BIOSIS
  DN
        PREV200000478199
        The propeptide domain of membrane type 1-matrix metalloproteinase acts as an ***intramolecular*** ***chaperone*** when expressed in trans
  TI
        with the mature sequence in COS-1 cells.
        Cao, Jian; Hymowitz, Michelle; Conner, Cathleen; Bahou, Wadie F.; Zucker, Stanley [Reprint author]
 ΑU
        VA Medical Center, Northport, NY, 11768, USA
Journal of Biological Chemistry, (September 22, 2000) Vol. 275, No. 38,
  CS
 SO
        pp. 29648-29653. print.
        CODEN: JBCHA3. ISSN: 0021-9258.
 DT
        Article
 LA
        English
 ED
        Entered STN: 8 Nov 2000
        Last Updated on STN: 10 Jan 2002
 L2
        ANSWER 96 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
        2000:713120 SCISEARCH
 ΑN
        The Genuine Article (R) Number: 354KY
Characterization of native and recombinant falcipain-2, a principal
 GA
        trophozoite cysteine protease and essential hemoglobinase of Plasmodium
        falciparum
        Shenai B R; Sijwali P S; Singh A; Rosenthal P J (Reprint)
UNIV CALIF SAN FRANCISCO, BOX 0811, SAN FRANCISCO, CA 94143 (Reprint);
UNIV CALIF SAN FRANCISCO, SAN FRANCISCO GEN HOSP, DEPT MED, SAN FRANCISCO,
 ΑIJ
 CS
        CA 94143
 CYA
        USA
        JOURNAL OF BIOLOGICAL CHEMISTRY, (15 SEP 2000) Vol. 275, No. 37, pp.
 SO
        29000-29010.
        Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
       PIKE, BETHESDA, MD 20814. ISSN: 0021-9258.
       Article; Journal
 DT
       LIFE
 FS
 LΑ
       English
 REC
       Reference Count: 78
       *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
 L2
       ANSWER 97 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
       DUPLICATE 44
 ΑN
       2000:489289
                         BIOSIS
 DN
       PREV200000489410
       Dual function of the propeptide of prouroguanylin in the folding of the mature peptide: Disulfide-coupled folding and dimerization.
 TI
       Hidaka, Yuji [Reprint author]; Shimono, Chisei; Ohno, Megumu; Okumura,
Nobuaki; Adermann, Knut; Forssmann, Wolf-Georg; Shimonishi, Yasutsugu
ΑU
       Division of Organic Chemistry, Institute for Protein Research, Osaka University, Yamadaoka 3-2, Suita, Osaka, 565-0871, Japan Journal of Biological Chemistry, (August 18, 2000) Vol. 275, No. 33, pp.
S<sub>0</sub>
       25155-25162. print.
       CODEN: JBCHA3. ISSN: 0021-9258.
DT
       Article
LA
       English
ED
       Entered STN: 15 Nov 2000
       Last Updated on STN: 10 Jan 2002
L2
       ANSWER 98 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
       DUPLICATE 45
       2000:305203
                        BIOSIS
DN
       PREV200000305203
TI
       Folding pathway mediated by an
                                                   ***intramolecular***
                                                                                     ***chaperone***
       : The inhibitory and chaperone functions of the subtilisin propeptide are
       not obligatorily linked.
      Fu, Xuan; Inouye, Masayori; Shinde, Ujwal [Reprint author]
Dept. of Biochemistry, Robert Wood Johnson Medical School-UMDNJ, 675 Hoes
Ln., Piscataway, NJ, 08854, USA
Journal of Biological Chemistry, (June 2, 2000) Vol. 275, No. 22, pp.
CS
       16871-16878. priñt.
      CODEN: JBCHA3. ISSN: 0021-9258.
DT
      Article
LA
      English
      Entered STN: 19 Jul 2000
ED
      Last Updated on STN: 7 Jan 2002
```

```
L2
        ANSWER 99 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
        DUPLICATE 46
  ΑN
        2000:503499
                          BIOSIS
  DN
        PREV200000503499
        The residual pro-part of cathepsin C fulfills the criteria required for an ***intramolecular*** ***chaperone*** in folding and stabilizing the
  TI
                                                                     in folding and stabilizing the
        human proenzyme.
        Cigic, Blaz [Reprint author]; Dahl, Soren W.; Pain, Roger H.
 ΑU
        Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Jamnikarjeva 101, 1000, Ljubljana, Slovenia Biochemistry, (October 10, 2000) Vol. 39, No. 40, pp. 12382-12390. print. CODEN: BICHAW. ISSN: 0006-2960.
  CS
 50
 DT
        Article
 LA
        Enalish
 ED
        Entered STN: 22 Nov 2000
        Last Updated on STN: 11 Jan 2002
 L2
        ANSWER 100 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
        2000:286299 SCISEARCH
 ΑN
 GΑ
        The Genuine Article (R) Number: 302BT
        Processing of lysosomal beta-galactosidase - The C-terminal precursor
 TI
        fragment is an essential domain of the mature enzyme
        vanderSpoel A; Bonten E; dAzzo A (Reprint)
ST JUDE CHILDRENS HOSP, DEPT GENET, 332 N LAUDERDALE, MEMPHIS, TN 38105
 ΑU
 CS
        (Reprint); ST JUDE CHILDRENS HOSP, DEPT GENET, MEMPHIS, TN 38105
 CYA
        JOURNAL OF BIOLOGICAL CHEMISTRY, (7 APR 2000) Vol. 275, No. 14, pp.
 SO
        10035-10040.
        Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
        PIKE, BETHESDA, MD 20814.
        ISSN: 0021-9258
       Article; Journal
 DT
 FS
        LIFE
 LA
       English
       Reference Count: 50
 REC
        *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
 12
       ANSWER 101 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
       2000:884663
                        SCISEARCH
 ΑN
       The Genuine Article (R) Number: 374KJ
 GΑ
       Intra- and intermolecular events direct the propeptide-mediated maturation
 TI
       of the Candida albicans secreted aspartic proteinase Sap1p
       Beggah S; Lechenne B; Reichard U; Foundling S; Monod M (Reprint)
CHU VAUDOIS, SERV DERMATOL DHURDV, LAB MYCOL, BT422, CH-1011 LAUSANNE,
SWITZERLAND (Reprint); CHU VAUDOIS, SERV DERMATOL DHURDV, LAB MYCOL,
CH-1011 LAUSANNE, SWITZERLAND; UNIV GOTTINGEN, INST HYG, DEPT MED
MICROBIOL, D-3400 GOTTINGEN, GERMANY; UNIV WISCONSIN, SCH PHARM, DEPT MED
& ORGAN CHEM, MADISON, WI 53706
SWITZERLAND: GERMANY: USA
 ΑU
 CS
       SWITZERLAND; GERMANY; USA
MICROBIOLOGY-UK, (NOV 2000) Vol. 146, Part 11, pp. 2765-2773.
Publisher: SOC GENERAL MICROBIOLOGY, MARLBOROUGH HOUSE, BASINGSTOKE RD,
 CYA
SO
       SPENCERS WOODS, READING RG7 1AE, BERKS, ENGLAND.
       ISSN: 1350-0872
DT
       Article; Journal
FS
       LIFE
LA
       English
REC
       Reference Count: 33
       *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
       ANSWER 102 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L2
       DUPLICATE 47
       2001:27506
                      BIOSIS
DN
       PREV200100027506
      Activation of Pseudomonas aeruginosa elastase in Pseudomonas putida by
TI
       triggering dissociation of the propeptide-enzyme complex.
      Braun, Peter; Bitter, Wilbert; Tommassen, Jan [Reprint author]
Department of Molecular Microbiology and Institute of Biomembranes,
CS
      Utrecht University, Padualaan 8, 3584 CH, Utrecht, Netherlands
       j.p.m.tommassen@bio.uu.nl
      Microbiology (Reading), (October, 2000) Vol. 146, No. 10, pp. 2565-2572.
SO
      print.
      ISSN: 1350-0872.
DT
      Article
      English
LA
ED
      Entered STN: 10 Jan 2001
```

Last Updated on STN: 12 Feb 2002 L2 ANSWER 103 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN **DUPLICATE 48** ΑN 2001:127174 BIOSIS DN PREV200100127174 The Kex2p proregion is essential for the biosynthesis of an active enzyme and requires a C-terminal basic residue for its function. TI Lesage, Guillaume; Prat, Annik; Lacombe, Julie; Thomas, David Y.; Seidah, Nabil G.; Boileau, Guy [Reprint author]
Departement de Biochimie, Universite de Montreal, Montreal, PQ, H3C 3J7, ΑU CS Canada boileaug@bcm.umontreal.ca Molecular Biology of the Cell, (June, 2000) Vol. 11, No. 6, pp. 1947-1957. SO CODEN: MBCEEV. ISSN: 1059-1524. Article DT LA English Entered STN: 14 Mar 2001 ED Last Updated on STN: 15 Feb 2002 L2 ANSWER 104 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN 2000:751617 SCISEARCH AN GΑ The Genuine Article (R) Number: 358VR TI Von Willebrand factor storage and multimerization: 2 independent intracellular processes
Haberichter S L; Fahs S A; Montgomery R R (Reprint)
MED COLL WISCONSIN, DEPT PEDIAT, 8701 WATERTOWN PLANK RD, MILWAUKEE, WI
53226 (Reprint); MED COLL WISCONSIN, DEPT PEDIAT, MILWAUKEE, WI 53226; ΑU CS BLOOD CTR SE WISCONSIN INC, BLOOD RES INST, MILWAUKEE, WI 53201; CHILDRENS HOSP WISCONSIN, MILWAUKEE, WI 53201 CYA SO BLOOD, (1 SEP 2000) Vol. 96, No. 5, pp. 1808-1815. Publisher: AMER SOC HEMATOLOGY, 1900 M STREET. NW SUITE 200, WASHINGTON, DC 20036 ISSN: 0006-4971. Article; Journal DT FS LIFE; CLIN LA English REC Reference Count: 46 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* ANSWER 105 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L2 **DUPLICATE 49** 2000:418249 AN BIOSIS DN PREV200000418249 The N-terminal prepeptide is required for the production of spore cortex-lytic enzyme from its inactive precursor during germination of TI Clostridium perfringens S40 spores. Okamura, S.; Urakami, K.; Kimata, M.; Aoshima, T.; Shimamoto, S.; Moriyama, R.; Makino, S. [Reprint author]
Department of Applied Molecular Biosciences, Graduate School of ΑU CS Bioagricultural Sciences, Nagoya University, Nagoya, Aichi, 464-8601, Molecular Microbiology, S₀ (August, 2000) Vol. 37, No. 4, pp. 821-827. print. CODEN: MOMIEE, ISSN: 0950-382X. DT Article LA English ED Entered STN: 4 Oct 2000 Last Updated on STN: 8 Jan 2002 L2 ANSWER 106 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN 2000:705557 SCISEARCH GΑ

ΑN

The Genuine Article (R) Number: 353HF
Production of serine protease of Aeromonas sobria is controlled by the
protein encoded by the gene lying adjacent to the 3' end of the protease TI gene

Okamoto K (Reprint); Nomura T; Hamada M; Fukuda T; Noguchi Y; Fujii Y TOKUSHIMA BUNRI UNIV, FAC PHARMACEUT SCI, DEPT BIOCHEM, YAMASHIRO CHO, ΑU TOKUSHIMA 7708514, JÁPAN (Reprint); TOKUSHIMA BUNRI UNÍV, FAC PHARMACEUT SCI, INST PHARMACOL, TOKUSHIMA 7708514, JAPAN CYA **JAPAN**

MICROBIOLOGY AND IMMUNOLOGY, (AUG 2000) Vol. 44, No. 9, pp. 787-798. Publisher: CENTER ACADEMIC PUBL JAPAN, 4-16 YAYOI 2-CHOME, BUNKYO-KU. TOKYO 113, JAPAN. ISSN: 0385-5600.

```
DT
        Article; Journal
  FS
        LIFE
        English
  LA
 REC
        Reference Count: 35
        *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
 L2
        ANSWER 107 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
        DUPLICATE 50 2001:12515
 AN
                        BIOSIS
        PREV200100012515
 DN
        Binding and folding: In search of ***intramolecu
***chaperone*** -like building block fragments.
 TI
                                                        ***intramolecular***
        Ma, Buyong; Tsai, Chung-Jung; Nussinov, Ruth [Reprint author]
 ΑU
        Intramural Research Support Program-SAIC, Laboratory of Experimental and Computational Biology, NCI-FCRDC, Bldg 469, Rm 151, Frederick, MD, 21702,
 CS
        USA
        ruthn@ncifcrf.gov
        Protein Engineering, (September, 2000) Vol. 13, No. 9, pp. 617-627. print. CODEN: PRENE9. ISSN: 0269-2139.
 SO
 DT
        Article
        English
 LA
        Entered STN: 27 Dec 2000
Last Updated on STN: 27 Dec 2000
 ED
 L2
        ANSWER 108 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN
        2000:226516 BIOSIS
 DN
        PREV200000226516
       The propeptide domain of membrane type-1 matrix metalloproteinase acts as
 ΤI
              ***intramolecular***
                                               ***chaperone***
        Cao, Jian [Reprint author]; Hymowitz, M.; Conner, C.; Bahou, W.; Zucker,
 ΑU
 CS
       SUNY - Stony Brook, Stony Brook, NY, USA
       Proceedings of the American Association for Cancer Research Annual
 SO
       Meeting, (March, 2000) No. 41, pp. 547. print.
Meeting Info.: 91st Annual Meeting of the American Association for Cancer Research. San Francisco, California, USA. April 01-05, 2000.
       ISSN: 0197-016X.
       Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
 DT
       English
 LA
 ED
       Entered STN: 7 Jun 2000
       Last Updated on STN: 5 Jan 2002
L2
       ANSWER 109 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN
ΑN
       2000:894664
                        CAPLUS
DN
       134:322185
       The mechanism of the propeptide-mediated folding of guanylyl cyclase
TI
       activating peptides
       Hidaka, Yuji; Ohno, Megumu; Shimono, Chisei; Okamura, Masamichi; Schulz, Axel; Adermann, Knut; Forssmann, Wolf-Georg; Shimonishi, Yasutsugu Institute for Protein Research, Osaka University, Suita, 565-0871, Japan
ΑU
CS
       Peptides for the New Millennium, Proceedings of the American Peptide Symposium, 16th, Minneapolis, MN, United States, June 26-July 1, 1999 (2000), Meeting Date 1999, 327-329. Editor(s): Fields, Gregg B.; Tam, James P.; Barany, George. Publisher: Kluwer Academic Publishers,
SO
       Dordrecht, Neth.
       CODEN: 69ATHX
DT
       Conference
       English
RE.CNT
                   THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
                   ALL CITATIONS AVAILABLE IN THE RE FORMAT
L2
        ANSWER 110 OF 216 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
        DUPLICATE
AN
        2000:32174012
                             BIOTECHNO
        The function of propeptide domains of cysteine proteinases
AU
        Wiederanders B.
        B. Wiederanders, Friedrich-Schiller-Universitat Jena, Klinikum, Institut
CS
        fur Biochemie, Nonnenplan 2, D-07743 Jena, Germany.
        Advances in Experimental Medicine and Biology, (2000), 477/- (261-270),
SO
        19 reference(s)
        CODEN: AEMBAP
                           ISSN: 0065-2598
        Journal; Conference Article
DT
        United States
CY
LA
        English
        English
SL
```

```
L2
        ANSWER 111 OF 216 Elsevier BIOBASE COPYRIGHT 2004 Elsevier Science B.V.
        on STN
                                                                       DUPLICATE
        2000244769
 AN
                         ESBIOBASE
        Requirement for the COOH-terminal pro-sequence in the translocation of
 TI
        aqualysin I across the cytoplasmic membrane in Escherichia coli
 ΑU
        Kim D.-W.; Matsuzawa H.
        D.-W. Kim, Howard Hughes Medical Institute, Department of Cell Biology, Yale University School of Medicine, 295 Congress Ave., New Haven, CT
 CS
        06510, United States.
E-mail: dong-wook.kim@yale.edu
        Biochemical and Biophysical Research Communications, (14 oct 2000), 277/1
SO
        (216-220), 20 reference(s)
        CODEN: BBRCAO ISSN: 0006-291X
DT
        Journal: Article
        United States
CY
 LΑ
        English
SL
        English
L2
       ANSWER 112 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 53
ΑN
       2000:327217 CAPLUS
          ***Intramolecular***
TI
                                         ***chaperone***
                                                                mediated folding of
       subtilisin.
ΑU
       Shinde, Ujwal P.; Fu, Xuan; Marie-Claire, Cynthia; Yabuta, Yukihiro;
       Inouye, Masayori
CS
       Department of Biochemistry, Robert Wood Johnson Medical School-UMDNJ,
       Piscataway, NJ, 08854, USA
       Book of Abstracts, 219th ACS National Meeting, San Francisco, CA, March 26-30, 2000 (2000), BIOL-177 Publisher: American Chemical Society,
SO
       Washington, D. C.
       CODEN: 69CLAC
DT
       Conference: Meeting Abstract
       English
LA
L2
       ANSWER 113 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
ΑN
       2000:638318 SCISEARCH
       The Genuine Article (R) Number: 317UV
GΑ
         ***Intramolecular***
TI
                                         ***chaperone***
                                                                mediated folding of
       subtilisin.
      Shinde I P (Reprint); Fu X; MarieClaire C; Yabuta Y; Inouye M UNIV MED & DENT NEW JERSEY, ROBERT WOOD JOHNSON MED SCH, DEPT BIOCHEM,
ΑU
CS
       PISCATAWAY, NJ 08854
CYA
      USA
      ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, (26 MAR 2000) Vol. 219, Part 1, pp. 177-BIOL.
SO
       Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036.
       ISSN: 0065-7727.
DT
       Conference: Journal
I A
      English
REC
      Reference Count: 0
L2
      ANSWER 114 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
AN
      2000:136635 SCISEARCH
      The Genuine Article (R) Number: 283VC
GΑ
      Display of active subtilisin 309 on phage: Analysis of parameters influencing the selection of subtilisin variants with changed substrate specificity from libraries using phosphonylating inhibitors

Legendre D; Laraki N; Grandler Bjornvad M E; Bouchet M; Nygren P A;
ΤI
      Borchert T V; Fastrez J (Reprint)
      UNIV CATHOLIQUE LOUVAIN, LAB BIOCHEM PHYS & BIOPOLYMERES, PL L PASTEUR
      1-1B, B-1348 LOUVAIN, BELGIUM (Reprint); UNIV CATHOLIQUE LOUVAIN, LAB BIOCHEM PHYS & BIOPOLYMERES, B-1348 LOUVAIN, BELGIUM; ROYAL INST TECHNOL,
      DEPT BIOCHEM & BIOTECHNOL, KTH, S-10044 STOCKHOLM, SWEDEN; NOVO NORDISK
      AS, DK-2880 BAGSVAERD, DENMARK
CYA
      BELGIUM; SWEDEN; DENMARK
      JOURNAL OF MOLECULAR BIOLOGY, (11 FEB 2000) Vol. 296, No. 1, pp. 87-102. Publisher: ACADEMIC PRESS LTD, 24-28 OVAL RD, LONDON NW1 7DX, ENGLAND.
      ISSN: 0022-2836.
DT
      Article; Journal
      LIFE
FS
LA
      English
REC
      Reference Count: 70
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
L2
      ANSWER 115 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
```

DUPLICATE 54

```
ΑN
       2000:190113
                     BIOSIS
 DN
       PREV200000190113
         ***Intramolecular***
 TI
                                      ***chaperones*** : Polypeptide extensions that
       modulate protein folding.
      Shinde, Ujwal [Reprint author]; Inouye, Masayori [Reprint author]
Department of Biochemistry, UMDNJ-RWJMS, 675 Hoes Lane, Piscataway, NJ,
 ΑU
 CS
       08854, USA
 50
      Seminars in Cell and Developmental Biology, (Feb., 2000) Vol. 11, No. 1,
      pp. 35-44. print.
       ISSN: 1084-9521.
      Article
 DT
      General Review; (Literature Review)
 LA
      English
      Entered STN: 17 May 2000
 ΕD
      Last Updated on STN: 4 Jan 2002
 L2
      ANSWER 116 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 ΑN
      2000:202480
                     BIOSIS
 DN
      PREV200000202480
         ***Intramolecular***
 TI
                                      ***chaperone***
                                                           mediated folding of
      subtilisin.
      Shinde, Ujwal P. [Reprint author]; Fu, Xuan [Reprint author];
ΑU
      Marie-Claire, Cynthia [Reprint author]; Yabuta, Yukihiro [Reprint author];
      Inouye, Masayori [Reprint author]
Department of Biochemistry, Robert Wood Johnson Medical School-UMDNJ, 675
Hoes Lane, Piscataway, NJ, 08854, USA
CS
      Abstracts of Papers American Chemical Society, (2000) vol. 219, No. 1-2.
SO
      pp. BIOL 177. print.
Meeting Info.: 219th Meeting of the American Chemical Society. San
      Francisco, California, USA. March 26-30, 2000. American Chemical Society.
      CODEN: ACSRAL. ISSN: 0065-7727.
      Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
DT
LA
      English
ED
      Entered STN: 24 May 2000
      Last Updated on STN: 5 Jan 2002
L2
       ANSWER 117 OF 216 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI ON STN
       DUPLICATE 55
       2000-01038 BIOTECHDS
TI
       New chimeric proteins containing human growth hormone fragment, used
       particularly for the production of human insulin;
           human somatotropin and insulin precursor fusion protein production
ΑU
       Gan Zhongru
PA
       Tonghua-Gantech-Biotechnology
       Tonghua City, People's Republic of China. WO 9950302 7 oct 1999 WO 1998-CN52 31 Mar 1998 WO 1998-CN52 31 Mar 1998
LO
PΙ
ΑI
PRAI
DT
       Patent
LA
       English
       WPĬ: 1999-610839 [52]
os
L2
      ANSWER 118 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 56
      2000:70549
AN
                   BIOSIS
DN
      PREV200000070549
      The prosegments of furin and PC7 as potent inhibitors of proprotein
      convertases. In vitro and ex vivo assessment of their efficacy and
     Selectivity.
Zhong, Mei; Munzer, Jon Scott; Basak, Ajoy; Benjannet, Suzanne; Mowla, Seyed J.; Decroly, Etienne; Chretien, Michel; Seidah, Nabil G. [Reprint
      Clinical Research Institute of Montreal, 110 Pine Ave. West, Montreal,
CS
      Quebec, Canada
Journal of Biological Chemistry, (Nov. 26, 1999) Vol. 274, No. 48, pp.
SO
      33913-33920. print.
      CODEN: JBCHA3. ISSN: 0021-9258.
      Article
DT
      Enalish
LA
ED
      Entered STN: 16 Feb 2000
      Last Updated on STN: 3 Jan 2002
     ANSWER 119 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L2
      DUPLICATE 57
      1999:323055 BIOSIS
AN
```

```
DN
       PREV199900323055
       A pathway for conformational diversity in proteins mediated by ***intramolecular*** ***chaperones***
 TI
       Shinde, Ujwal; Fu, Xuan; Inouye, Masayori [Reprint author]
 ΑU
       Dept. of Biochemistry, Robert Wood Johnson Medical School-UMDNJ, 675 Hoes Ln., Piscataway, NJ, 08854, USA Journal of Biological Chemistry, (May 28, 1999) Vol. 274, No. 22, pp.
 CS
 SO
       15615-15621. print.
       CODEN: JBCHA3. ISSN: 0021-9258.
 DT
       Article
 LA
       English
 ED
       Entered STN: 24 Aug 1999
       Last Updated on STN: 24 Aug 1999
 L2
       ANSWER 120 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
       DUPLICATE 58
 AN
       1999:219709
                     BIOSIS
 DN
       PREV199900219709
      Novel mechanisms control the folding and assembly of lambda5/14.1 and VpreB to produce an intact surrogate light chain.
 TI
      Minegishi, Yoshiyuki; Hendershot, Linda M.; Conley, Mary Ellen [Reprint
 ΑU
       author]
      Department of Immunology, St. Jude Children's Research Hospital, Memphis,
 CS
      TN, 38105, USA
      Proceedings of the National Academy of Sciences of the United States of
 SO
      America, (March 16, 1999) Vol. 96, No. 6, pp. 3041-3046. print. CODEN: PNASA6. ISSN: 0027-8424.
 DT
      Article
      English
 LA
 ED
      Entered STN: 7 Jun 1999
      Last Updated on STN: 7 Jun 1999
 L2
      ANSWER 121 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 59
 AN
      1999:135012
                     BIOSIS
 DN
      PREV199900135012
      The prosequence of thermolysin acts as an
 TI
                                                        ***intramolecular***
        ***chaperone***
                             when expressed in trans with the mature sequence in
      Escherichia coli.
      Marie-Claire, Cynthia; Ruffet, Emmanuel; Beaumont, Ann; Roques, Bernard P.
ΑU
      [Reprint author]
CS
      Dep. Pharmacochimie Moleculaire Structurale, U26 INSERM URA 8600 CNRS,
      Sciences, Pharmaceutiques Biologiques, 4 Avenue de l'Observatoire, 75270
      Paris Cedex 06, France
SO
      Journal of Molecular Biology, (Feb. 5, 1999) Vol. 285, No. 5, pp.
      1911-1915. print.
      CODEN: JMOBAK. ISSN: 0022-2836.
DT
      Article
LA
      English
ED
      Entered STN: 31 Mar 1999
      Last Updated on STN: 31 Mar 1999
L2
      ANSWER 122 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
      1999:185426 SCISEARCH
ΑN
GΑ
      The Genuine Article (R) Number: 171AC
TI
      Involvement of the C-terminal region of yeast proteinase B inhibitor 2 in
      its inhibitory action
ΑU
      Kojima S (Reprint); Deguchi M; Miura K
      GAKUSHUIN UNIV, INST BIOMOL SCI, TOKYO 1718588, JAPAN (Reprint)
CS
CYA
      JAPAN
      JOURNAL OF MOLECULAR BIOLOGY, (26 FEB 1999) Vol. 286, No. 3, pp. 775-785. Publisher: ACADEMIC PRESS LTD, 24-28 OVAL RD, LONDON NW1 7DX, ENGLAND.
SO
      ISSN: 0022-2836.
DT
      Article; Journal
FS
      LIFE
LA
      English
REC
     Reference Count: 52
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
       ANSWER 123 OF 216 Elsevier BIOBASE COPYRIGHT 2004 Elsevier Science B.V.
L2
       on STN
                                                              DUPLICATE
       1999180787
AΝ
                     ESBIOBASE
      Molecular cloning and expression in Escherichia coli of the extracellular
TI
       endoprotease of Ăeromonas caviae T-64, a pro-aminopeptidase processing
       enzyme
      Nirasawa S.; Nakajima Y.; Zhang Z.; Yoshida M.; Hayashi K.
ΑU
```

```
K. Hayashi, Applied Enzymology Laboratory, National Food Research Institute, Tsukuba, Ibaraki 305-8642, Japan. E-mail: khayashi@nfri.affrc.go.jp Biochimica et Biophysica Acta - Protein Structure and Molecular Enzymology, (1999), 1433/1-2 (335-342), 29 reference(s) CODEN: BBAEDZ ISSN: 0167-4838 S0167483899001582
 SO
 PUI
         Journal; Article
 DT
         Netherlands
 CY
         English
 LA
 SL
         English
 L2
       ANSWER 124 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN
 ΑN
        1999:60585
                       CAPLUS
 DN
       130:308299
       The propeptide of Fasciola hepatica cathepsin L is a potent and selective
 TI
       inhibitor of the mature enzyme
       Roche, Leda; Tort, Jose; Dalton, John P.
School of Biological Sciences, Dublin City University, Dublin, Ire.
 ΑU
 CS
       Molecular and Biochemical Parasitology (1999), 98(2), 271-277
 SO
       CODEN: MBIPDP; ISSN: 0166-6851
 PB
       Elsevier Science Ireland Ltd.
 DT
       Journal
 ΙA
       English
                   THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
 RE.CNT
          22
                   ALL CITATIONS AVAILABLE IN THE RE FORMAT
       ANSWER 125 OF 216 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States
 L2
       of America.
                        It contains copyrighted materials. All rights reserved.
       (2004) on STN
2000:60507 A
                                                                          DUPLÍCATE 61
 ΑN
                      AGRICOLA
 DN
       IND22061541
TI
       Proregion of Bombyx mori cysteine proteinase functions as an
          ***intramolecular***
                                          ***chaperone***
                                                                 to promote proper folding of
       the mature enzyme.
       Yamamoto, Y.; Watabe, S.; Kageyama, T.; Takahashi, S.Y. DNAL (QL495.A7)
ΑU
ΑV
SO
       Archives of insect biochemistry and physiology, Nov 1999. Vol. 42, No. 3.
       p. 167-178
       Publisher: New York, N.Y. : Wiley-Liss.
       CODEN: AIBPEA; ISSN: 0739-4462
NTE
       Includes references
CY
       New York (State); United States
DT
       Article
FS
       U.S. Imprints not USDA, Experiment or Extension
LA
       English
L2
       ANSWER 126 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
       DUPLICATE 62
AN
       1999:386014
                       BIOSIS
DN
       PREV199900386014
TI
         ***Intramolecular***
                                         ***chaperone***
                                                                 and inhibitor activities of a
       propeptide from a bacterial zinc aminopeptidase.
      Nirasawa, Satoru; Nakajima, Yoshiaki; Zhang, Zhen-Zhong; Yoshida,
Michiteru; Hayashi, Kiyoshi [Reprint author]
Applied Enzymology Laboratory, National Food Research Institute, Tsukuba,
ΑU
CS
       Ibaraki, 305-8642, Japan
      Biochemical Journal, (July 1, 1999) vol. 341, No. 1, pp. 25-31. print.
SO
      ISSN: 0264-6021.
Article
DT
       English
      Entered STN: 28 Sep 1999
ED
       Last Updated on STN: 6 Dec 1999
L2
      ANSWER 127 OF 216 FSTA COPYRIGHT 2004 IFIS ON STN
      2000(02):B0213
AN
                           FSTA
      Carboxypeptidase Y: structural basis for protein sorting and catalytic
TI
      triad.
      Jung, G.; Ueno, H.; Ḥayashi, R.
ΑU
      Correspondence (Reprint) address, R. Hayashi, Div. of Applied Life Sci.,
      Graduate Sch. of Agric., Kyoto Univ., Sakyo-ku, Kyoto 606-8502, Japan. Tel. +81-75-753-6110. Fax +81-75-753-6128
Journal of Biochemistry, (1999), 126 (1) 1-6, 62 ref.
SO
      ISSN: 0021-924X
DT
      General Review
```

CS

```
LA
      English
 L2
      ANSWER 128 OF 216 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
       Learning Company; All Rights Reserved on STN
 ΑN
      1999:16464
                    DISSABS
                                Order Number: AAR9906725
 TI
      AGGRECAN SYNTHESIS AND SECRETION: A PARADIGM FOR MOLECULAR AND CELLULAR
      COORDINATION OF MULTIGLOBULAR PROTEIN FOLDING AND INTRACELLULAR
      TRAFFICKING
ΑU
      ZHENG, JING [PH.D.]; TANZER, MARVIN [adviser]
      THE UNIVERSITY OF CONNECTICUT (0056)
 CS
      Dissertation Abstracts International, (1998) Vol. 59, No. 9B, p. 4650. Order No.: AAR9906725. 104 pages.
 SO
DT
      Dissertation
 FS
      DAI
LA
      English
L2
      ANSWER 129 OF 216 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
      Learning Company; All Rights Reserved on STN 1998:39719 DISSABS Order Number: AAR98290
ΑN
                                Order Number: AAR9829028
      STUDIES ON THE STRUCTURE-FUNCTION RELATIONSHIPS OF CLOSTRIDIUM SEPTICUM
TI
      ALPHA TOXIN (PORE FORMATION, ***INTRAMOLECULAR*** **
SELLMAN, BRET RICHARD [PH.D.]; TWETEN, RODNEY K. [adviser]
                                                                        ***CHAPERONE***
ΑU
      THE UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER (0361)
Dissertation Abstracts International, (1998) vol. 59, No. 4B, p. 1489.
CS
SO
      Order No.: AAR9829028. 98 pages.
      Dissertation
DT
FS
      DAI
LA
      English
L2
      ANSWER 130 OF 216 USPATFULL ON STN
ΑN
        1998:17192 USPATFULL
TI
        Protein activation
ΙN
        Inouye, Masayori, Bridgewater, NJ, United States
PA
        University of Medicine and Dentistry of New Jersey, Newark, NJ, United
        States (U.S. corporation)
PΙ
        us 5719021
                                     19980217
                                    19920731 (7)
        US 1992-923260
ΑI
        Continuation-in-part of Ser. No. US 1989-346552, filed on 2 May 1989.
RLI
        now patented, Pat. No. US 5191063
DT
        Utility
        Granted
FS
LN.CNT
        1783
        INCLM: 435/006.000
NCLM: 435/006.000
INCL
NCL
        [6]
        ICM: C12Q011-68
        ICS: C12P021-00; C12N009-96; C07K014-435
435/6; 435/68.1; 435/69.1; 435/183; 435/188; 530/324; 530/345; 530/350;
        435/6; 435/68.1;
530/402; 530/427
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L2
      ANSWER 131 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 63
      1999:27819
AN
                   BIOSIS
DN
      PREV199900027819
      Determinants of Ascaris hemoglobin octamer formation.
TI
     Minning, Dena M.; Goldberg, Daniel E. [Reprint author]
Washington Univ. Sch. Med., Dep. Molecular Microbiol., 660 S. Euclid Ave.,
ΑU
CS
      Box 8230, St. Louis, MO 63110, USA
Journal of Biological Chemistry, (Dec. 4, 1998) Vol. 273, No. 49, pp.
SO
      32644-32649. print.
      CODEN: JBCHA3. ISSN: 0021-9258.
DT
     Article
LA
     English
     Entered STN: 3 Feb 1999
ED
      Last Updated on STN: 3 Feb 1999
L2
     ANSWER 132 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
     DUPLICATE 64
AN
     1999:543
                 BIOSIS
DN
     PREV199900000543
     Biochemical and biophysical characterization of refolded Drosophila DPP, a
TI
     homolog of bone morphogenetic proteins 2 and 4.
     Groppe, Jay [Reprint author]; Rumpel, Klaus; Economides, Aris N.; Stahl.
     Neil; Sebald, Walter; Affolter, Markus
     Dep. Cell Biol., Biozentrum, Univ. Basel, Klingelbergstrasse 70, CH-4056
```

```
Basel, Switzerland
      Journal of Biological Chemistry, (Oct. 30, 1998) Vol. 273, No. 44, pp.
 SO
      29052-29065. print.
      CODEN: JBCHA3. ISSN: 0021-9258.
DT
      Article
      English
 LA
ED
      Entered STN: 11 Jan 1999
      Last Updated on STN: 11 Jan 1999
L2
      ANSWER 133 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
AN
      1998:404802 SCISEARCH
      The Genuine Article (R) Number: ZP588
GΑ
TI
      Aggrecan synthesis and secretion - A paradigm for molecular and cellular
      coordination of multiglobular protein folding and intracellular
      trafficking
      Zheng J; Luo W; Tanzer M L (Reprint)
ΑU
      UNIV CONNECTICUT, CTR HLTH, SCH DENT MED, DEPT BIOSTRUCT & FUNCT
CS
      FARMINGTON, CT 06030 (Reprint); UNIV CONNECTICUT, CTR HLTH, SCH DENT MED,
      DEPT BIOSTRUCT & FUNCT, FARMINGTON, CT 06030
CYA
      JOURNAL OF BIOLOGICAL CHEMISTRY, (22 MAY 1998) Vol. 273, No. 21, pp.
SO
      12999-13006.
      Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
      PIKE, BETHESDA, MD 20814.
      ISSN: 0021-9258
DT
      Article; Journal
FS
      LIFE
LA
      English
REC
      Reference Count: 41
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
      ANSWER 134 OF 216 _AQUASCI
L2
                                       COPYRIGHT 2004 FAO (On behalf of the ASFA
      Advisory Board). All rights reserved. on STN
                                                               DUPLICATE 65
      1998:37075
AN
                   AQUASCI
DN
      ASFA1 1998
TT
      Characterization of the C-terminal propeptide involved in bacterial wall
      spanning of alpha -amylase from the psychrophile Alteromonas haloplanctis
ΑIJ
      Feller, G.; D'Amico, S.; Benotmane, A.M.; Joly, F.; Van Beeumen, J.;
      Gerday, C.
Lab. Biochem., Inst. Chem. B6, Univ. Liege, B-4000 Liege, Belgium
Journal of Biological Chemistry, (19980500) vol. 273, no. 20, pp.
CS
SO
      12109-12115
      ISSN: 0021-9258.
DT
      Journal
FS
      ASFA1
LA
      English
SL
      English
L2
      ANSWER 135 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 66
AN
      1998:226476
                    BIOSIS
DN
      PREV199800226476
      Routing and processing of lactase-phlorizin hydrolase in transfected
TI
ΑU
      Ouwendijk, Joke [Reprint author]; Peters, Wilma J. M.; Van De
      Vorstenbosch, Rinske A.; Ginsel, Leo A.; Naim, Hassan Y.; Fransen, Jack A.
     Dep. Cell Biol. Histol., Univ. Nijmegen, P.O. Box 9101, 6500 HB Nijmegen,
CS
     Netherlands
     Journal of Biological Chemistry, (March 20, 1998) Vol. 273, No. 12, pp. 6650-6655. print.
SO
     CODEN: JBCHA3. ISSN: 0021-9258.
     Article
     English
     Entered STN: 20 May 1998
     Last Updated on STN: 20 May 1998
L2
     ANSWER 136 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
     DUPLICATE 67
     1998:255242
ΑN
                    BIOSIS
DN
     PREV199800255242
     Tertiary structure formation in the propeptide of subtilisin BPN' by successive amino acid replacements and its close relation to function.
TI
     Kojima, Shuichi [Reprint author]; Minagawa, Tetsuya; Miura, Kin-Ichiro
Inst. Biomolecular Sci., Gakushuin Univ., Meijiro 1-5-1, Toshima-ku, Tokyo
171, Japan
ΑU
CS
```

```
SO
      Journal of Molecular Biology, (April 17, 1998) Vol. 277, No. 5, pp.
      1007-1013. print.
      CODEN: JMOBAK. ISSN: 0022-2836.
DT
      Article
      English
ED
      Entered STN: 9 Jun 1998
      Last Updated on STN: 12 Aug 1998
L2
      ANSWER 137 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN
      1998:38062
AN
                    CAPLUS
DN
      128:177279
TI
      Protein folding mediated by
                                          ***intramolecular***
                                                                         ***chaperones***
      Shinde, Ujwal; Liu, Jianjun; Inouye, Masayori
Robert Wood Johnson Medical School, Piscataway, NJ, USA
Molecular Chaperones in the Life Cycle of Proteins (1998), 467-490.
ΑU
CS
SO
      Editor(s): Fink, Anthony L.; Goto, Yuji. Publisher: Dekker, New York, N.
      CODEN: 65MIAP
DT
      Conference; General Review
LA
      English
RE.CNT
         77
                 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS RECORD
                 ALL CITATIONS AVAILABLE IN THE RE FORMAT
L2
      ANSWER 138 OF 216 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
      RESERVED. on STN
                                                                    DUPLICATE 68
      1998118161 EMBASE
AN
      Erratum: Protein memory through altered folding mediated by ***intramolecular*** ***chaperones*** (Nature (1997)
TI
                                                              (Nature (1997) 389 (520-522)).
      Shinde U.P.; Liu J.J.; Inouye M. Nature, (12 Mar 1998) 392/6672 (210).
ΑU
SO
      ISSN: 0028-0836 CODEN: NATUAS
      United Kingdom
CY
DT
      Journal; Errata
               Clinical Biochemistry
FS
      029
LΑ
      English
L2
      ANSWER 139 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN
      1998:193738
ΑN
                     CAPLUS
DN
      128:214689
      Protein memory through_altered folding mediated by ***intramolecular***
ΤI
     ***chaperones*** . [Erratum to document cited in CA127:327942]
Shinde, U. P.; Liu, J. J.; Inouye, M.
Dep. of Biochem., Robert Wood Johnson Mec. Sch., Piscataway, NJ, 08854,
ΑU
CS
      USA
SO
      Nature (London) (1998), 392(6672), 210
      CODEN: NATUAS; ISSN: 0028-0836
      Macmillan Magazines
PΒ
DT
      Journal
LA
      English
RE.CNT
                 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
                 ALL CITATIONS AVAILABLE IN THE RE FORMAT
L2
      ANSWER 140 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
      1998:206912 SCISEARCH
ΑN
GΑ
      The Genuine Article (R) Number: ZB349
      Protein memory through altered folding mediated by
TI
                                                                       ***intramolecular***
     ***chaperones*** (vol 389, pg 520, 1997)

Shinde U P (Reprint); Liu J J; Inouye M

NATURE, (12 MAR 1998) Vol. 392, No. 6672, pp. 210-210.

Publisher: MACMILLAN MAGAZINES LTD, PORTERS SOUTH, 4 CRINAN ST, LONDON,
ΑU
SO
      ENGLAND N1 9XW.
      ISSN: 0028-0836.
DT
      Errata; Journal
FS
      PHYS; LIFE; AGRI
      English
LA
REC
     Reference Count: 1
L2
      ANSWER 141 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 69
      1998:757969
AN
                     CAPLUS
DN
      The crystal structure of an autoprocessed Ser221 Cys-subtilisin
TI
      E-propeptide complex at 2.0 .ANG. resolution
      Jain, Shri C.; Shinde, Ujwal; Li, Yuyun; Inouye, Masayori; Berman, Helen
ΑU
     Μ.
      Department of Chemistry, Rutgers University, Piscataway, NJ, 08854-8087,
CS
      USA
```

```
SO
      Journal of Molecular Biology (1998), 284(1), 137-144
      CODEN: JMOBAK; ISSN: 0022-2836
 PB
      Academic Press
DT
      Journal
      English
 LA
RE.CNT
         <sup>3</sup>9
                 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
                ALL CITATIONS AVAILABLE IN THE RE FORMAT
L2
      ANSWER 142 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 70
      1998:409110
ΑN
                     BIOSIS
DN
      PREV199800409110
      Staphylococcal lipases: Molecular characterisation, secretion, and
TI
      Goetz, Friedrich [Reprint author]; Verheij, Hubertus M.; Rosenstein, Ralf
Mikrobielle Genetik, Universitaet Tuebingen, Waldhauser Str. 70/8, D-72076
ΑIJ
CS
      Tuebingen, Germany
      Chemistry and Physics of Lipids, (June, 1998) vol. 93, No. 1-2, pp. 15-25.
SO
      print.
      CODEN: CPLIA4. ISSN: 0009-3084.
DT
      Article
LA
      English
FD
      Entered STN: 21 Sep 1998
      Last Updated on STN: 21 Sep 1998
      ANSWER 143 OF 216 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
L2
      Learning Company; All Rights Reserved on STN
ΑN
      97:67854
                 DISSABS
                             Order Number: AAR9734435
TI
      ANALYSIS OF THE EARLY STAGES OF MITOCHONDRIAL PROTEIN IMPORT (ATPASE
      PRECURSOR, PROTEIN FOLDING, MEMBRANE)
ΑIJ
      HAJEK, PETR [PH.D.]; BEDWELL, DAVID [advisor]
      UNIVERSITY OF ALABAMA AT BIRMINGHAM (0005)
CS
      Dissertation Abstracts International, (1997) Vol. 58, No. 5B, p. 2220. Order No.: AAR9734435. 120 pages.
SO
DT
      Dissertation
FS
      DAI
      English
LA
ED
      Entered STN: 19971014
      Last Updated on STN: 19971014
L2
      ANSWER 144 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 71
ΑN
      1998:38674
DN
      PREV199800038674
      The amino terminus of the F1-ATPase beta-subunit precursor functions as an ***intramolecular*** ***chaperone*** to facilitate mitochondrial
TI
      protein import.
ΑU
      Hajek, Petr; Koh, Julie Y.; Jones, Leonard; Bedwell, David M. [Reprint
      author]
CS
      Dep. Microbiol., Bevill Biomedical Res. Build., Rm. 432, Univ. Alabama
      Birmingham, Birmingham, AL 35294-2170, USA
SO
      Molecular and Cellular Biology, (Dec., 1997) Vol. 17, No. 12, pp.
      7169-7177. print.
      CODEN: MCEBD4. ISSN: 0270-7306.
DT
      Article
IΑ
      English
ED
      Entered STN: 14 Jan 1998
      Last Updated on STN: 14 Jan 1998
L2
     ANSWER 145 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
     DUPLICATE 72
     1997:60516
AN
                   BIOSIS
DN
      PREV199799359719
        ***Intramolecular***
TI
                                     ***chaperone***
                                                          activity of the pro-region of
     Vibrio cholerae El Tor cytolysin.
Nagamune, Kisaburo; Yamamoto, Koichiro [Reprint author]; Honda, Takeshi Dep. Bacterial Infect., Res. Inst. Microbial Dis., Osaka Univ., Yamadaoka
AU
CS
     3-1, Suita, Osaka 565, Japan
Journal of Biological Chemistry, (1997) Vol. 272, No. 2, pp. 1338-1343.
     CODEN: JBCHA3. ISSN: 0021-9258.
     Article
DT
     English
LA
     Entered STN: 11 Feb 1997
ED
     Last Updated on STN: 11 Feb 1997
     ANSWER 146 OF 216 AGRICOLA Compiled and distributed by the National
L2
```

```
Agricultural Library of the Department of Agriculture of the United States
      of America. It contains copyrighted materials. All rights reserved.
      (2004) on STN
1998:5470 AG
                                                                DUPLĪCATE 73
ΑN
                  AGRICOLA
DN
      IND20610587
TI
      Analysis of the complex formed by Erythrina variegata chymotrypsin
      inhibitor with chymotrypsin and properties of the peptides from the
      inhibitor by a limited proteolysis.
Kimura, M.; Harada, N.; Iwanaga, S.; Yamasaki, N.
ΑU
CS
      Kyushu University, Fukuoka, Japan.
      European journal of biochemistry, Nov 1997. Vol. 249, No. 3. p. 870-877
so
      Publisher: Berlin : Springer-Verlag Berlin.
      CODEN: EJBCAI; ISSN: 0014-2956
NTE
      Includes references
CY
      Germany
DT
      Article
      Non-U.S. Imprint other than FAO
FS
LA
      English
L2
      ANSWER 147 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN
      1998:255501 CAPLUS
AN
DN
      129:51258
TT
      The use of proteinase propeptides as selective inhibitors of pest
      digestive enzymes
AΠ
      Taylor, Mark A.
      Food Macromolecular Science Department, Institute of Food Research,
CS
      Reading, RG6 6BZ, UK
SO
      Biomedical and Health Research (1997), 13(Proteolysis in Cell Functions),
      562-566
      CODEN: BIHREN; ISSN: 0929-6743
PR
      IOS Press
DT
      Journal
      English
LA
RE.CNT
        20
                THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
                ALL CITATIONS AVAILABLE IN THE RE FORMAT
L2
      ANSWER 148 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
      97:529596 SCISEARCH
ΑN
GΑ
      The Genuine Article (R) Number: XJ725
TI
      Lambda-toxin of Clostridium perfringens activates the precursor of
      epsilon-toxin by releasing its N- and C-terminal peptides
     Minami J; Katayama S; Matsushita O; Matsushita C; Okabe A (Reprint)
KAGAWA MED UNIV, FAC MED, DEPT MICROBIOL, MIKI, KAGAWA 76107, JAPAN
ΑU
CS
      (Reprint); KAGAWA MED UNIV, FAC MED, DEPT MICROBIOL, MIKI, KAGAWA 76107,
      JAPAN
CYA
     JAPAN
SO
      MICROBIOLOGY AND IMMUNOLOGY, (JUL 1997) Vol. 41, No. 7, pp. 527-535.
      Publisher: CENTER ACADEMIC PUBL JAPAN, 4-16 YAYOI 2-CHOME, BUNKYO-KU,
     TOKYO 113, JAPAN ISSN: 0385-5600
                  JAPAN.
     Article; Journal
DT
     LIFE
FS
LA
     English
REC
     Reference Count: 40
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
     ANSWER 149 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L2
     DUPLICATE 74
AN
      1997:482606
                    BIOSIS
     PREV199799781809
DN
TI
     Protein memory through altered folding mediated by
                                                                 ***intramolecular***
        ***chaperones***
ΑU
     Shinde, U. P.; Liu, J. J.; Inouye, M. [Reprint author]
     Dep. Biochemistry, Robert Wood Johnson Med. Sch.-UMDNJ, 675 Hoes Lane, Piscataway, NJ 08854, USA Nature (London), (1997) Vol. 389, No. 6650, pp. 520-522. CODEN: NATUAS. ISSN: 0028-0836.
cs
SO
DT
     Article
     English
     Entered STN: 7 Nov 1997
ED
     Last Updated on STN: 7 Nov 1997
     ANSWER 150 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN
     1998:110498
AΝ
                   CAPLUS
     128:254367
DN
     subtilisin
TI
```

```
ΑU
       Shinde, Ujwal; Inouye, Masayori
 CS
       Department of Biochemistry, Robert Wood Johnson Medical School,
       Piscataway, NJ, 08854, USA
Guidebook to Molecular Chaperones and Protein-Folding Catalysts (1997),
 SO
                   Editor(s): Gething, Mary-Jane. Publisher: Oxford University
       Press, Oxford, UK. CODEN: 65RBAT
 DT
       Conference; General Review
       English
 LA
 RE.CNT
          18
                   THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
                   ALL CITATIONS AVAILABLE IN THE RE FORMAT
       ANSWER 151 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 L2
       DUPLICATE 75
 ΑN
       1997:440312
                        BIOSIS
       PREV199799739515
 DN
 ΤI
       The propeptide of Clostridium septicum alpha toxin functions as an
          ***intramolecular***
                                         ***chaperone***
                                                                and is a potent inhibitor of
       alpha toxin-dependent cytolysis.
       Sellman, Bret R.; Tweten, Rodney K. [Reprint author]
Microbiol. Immunol., Univ. Oklahoma Health Sci. Cent., Oklahoma City, OK
 ΑU
CS
       Molecular Microbiology, (1997) Vol. 25, No. 3, pp. 429-440.
CODEN: MOMIEE. ISSN: 0950-382X.
SO
DT
       Article
LA
       English
ED
       Entered STN: 8 Oct 1997
       Last Updated on STN: 8 Oct 1997
L2
       ANSWER 152 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN
       1998:111372
                       BIOSIS
DN
       PREV199800111372
TI
       An alteration in the alpha-chain propeptide is associated with
       beta-hexosaminidase A pseudodeficiency
ΑU
       De Gasperi, R. [Reprint author]; Gama Sosa, M. A. [Reprint author];
       Horowitz, M.; Mitchell, D. A. [Reprint author]; Lehrerfeld, T. [Reprint author]; Kolodny, E. H. [Reprint author]
Dep. Neurol., New York Univ. Sch. Med., New York, NY, USA
CS
SO
       American Journal of Human Genetics, (Oct., 1997) Vol. 61, No. 4 SUPPL.,
       pp. A250. print.
      Meeting Info.: 47th Annual Meeting of the American Society of Human Genetics. Baltimore, Maryland, USA. October 28-November 1, 1997. CODEN: AJHGAG. ISSN: 0002-9297.
      Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
DT
LA
       English
ED
       Entered STN: 3 Mar 1998
       Last Updated on STN: 6 Apr 1998
      ANSWER 153 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L2
       DUPLICATE 76
       1997:365204
AN
                       BIOSIS
       PREV199799657137
DN
      The propeptide of subtilisin BPN' as a temporary inhibitor and effect of
TI
       an amino acid replacement on its inhibitory activity.
      Kojima, Shuichi; Minagawa, Tetsuya; Miura, Kin-Ichiro [Reprint author] Inst. Biomolecular Sci., Gakushuin Univ., Mejiro, Tokyo 171, Japan FEBS Letters, (1997) Vol. 411, No. 1, pp. 128-132.
C$
S<sub>0</sub>
      CODEN: FEBLAL. ISSN: 0014-5793.
DT
      Article
LA
      English
ED
      Entered STN: 25 Aug 1997
      Last Updated on STN: 25 Aug 1997
L2
      ANSWER 154 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 77
ΑN
      1997:385996
                      BIOSIS
DN
      PREV199799685199
TI
      Structure and structure formation of the 20S proteasome.
ΑU
      Schmitt, Marion; Schmidtke, Gunter; Kloetzel, Peter M.
      Zent. Exp. Med., Inst. Biochem., Med. Fak., Humboldt Univ. Berlin, Monbijoustr. 2a, 10117 Berlin, Germany Molecular Biology Reports, (1997) Vol. 24, No. 1-2, pp. 103-112.
CS
SO
      CODEN: MLBRBU. ISSN: 0301-4851.
DT
      Article
```

```
General Review; (Literature Review)
IΑ
       English
ED
       Entered STN: 10 Sep 1997
       Last Updated on STN: 10 Sep 1997
L2
       ANSWER 155 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
       1997:282046 BIOSIS
ΑN
DN
       PREV199799581249
       The propeptide from Clostridium septicum alpha toxin acts as an
TT
         ***intramolecular***
                                         ***chaperone***
ΑU
       Sellman, B. R.; Tweten, R. K.
      Univ. Oklahoma Health Sci. Center, Oklahoma City, OK, USA
Abstracts of the General Meeting of the American Society for Microbiology,
CS
50
      (1997) Vol. 97, No. 0, pp. 82.
Meeting Info.: 97th General Meeting of the American Society for
       Microbiology. Miami Beach, Florida, USA. May 4-8, 1997.
       ISSN: 1060-2011.
      Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
DT
LA
      English
ED
       Entered STN: 3 Jul 1997
      Last Updated on STN: 3 Jul 1997
L2
      ANSWER 156 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 78
      1998:226136
AN
                      BIOSIS
DN
      PREV199800226136
TI
      Role of the COOH-terminal pro-sequence of aqualysin I (a heat-stable
      serine protease) in its extracellular secretion by Thermus thermophilus.
      Kim, Dong-Wook; Lee, Young-Choon; Matsuzawa, Hiroshi [Reprint author] Dep. Biotechnol., Univ. Tokyo, 1-1-1 Yayoi, Bunkyo-ku, Tokyo 113, Japan FEMS Microbiology Letters, (Dec. 1, 1997) Vol. 157, No. 1, pp. 39-45.
AU
CS
SO
      print.
      CODEN: FMLED7. ISSN: 0378-1097.
DT
      Article
LA
      English
ED
      Entered STN: 20 May 1998
      Last Updated on STN: 20 May 1998
L2
      ANSWER 157 OF 216 CAPLUS COPYRIGHT 2004 ACS ON STN
      1996:480331
ΑN
                      CAPLUS
DN
      125:189234
         ***Intramolecular***
                                        ***chaperone*** : the role of the propeptide
TI
      of subtilisin E in protein folding
ΑU
      Li, Yuyun
      Graduate School of Biomedical Sciences, Univ. of Medicine and Dentistry of
CS
      New Jersey, Newark, NJ, USA (1996) 154 pp. Avail.: Univ. Microfilms Int., Order No. DA9622209 From: Diss. Abstr. Int., B 1996, 57(3), 1772
SO
DT
      Dissertation
LA
      English
      ANSWER 158 OF 216 DISSABS COPYRIGHT (C) 2004 ProQuest Information and Learning Company; All Rights Reserved on STN 96:43189 DISSABS Order Number: AAI9622209
L2
ΑN
         ***INTRAMOLECULAR***
                                        ***CHAPERONE*** : THE ROLE OF THE PROPEPTIDE
TI
      OF SUBTILISIN E IN PROTEIN FOLDING
ΑU
      LI, YUYUN [PH.D.]; INOUYE, MASAYORI [advisor]
      UNIV. OF MEDICINE AND DENTISTRY OF N.J. GRAD. SCH. OF BIOMED. SCI. (0301) Dissertation Abstracts International, (1996) Vol. 57, No. 3B, p. 1772. Order No.: AAI9622209. 154 pages.
CS
SO
DT
      Dissertation
FS
      DAI
LA
      English
ED
      Entered STN: 19960807
      Last Updated on STN: 19960807
      ANSWER 159 OF 216 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
L2
      Learning Company; All Rights Reserved on STN
ΑN
      96:42835 DISSABS
                               Order Number: AAI9621607
TI
      INTRACELLULAR SORTING OF PEPTIDE HORMONE PRECURSORS AND THE MECHANISM OF
      SECRETORY VESICLE FORMATION
      CHEN, YEGUANG [PH.D.]; SHIELDS, DENNIS [advisor]
ΑU
      YESHIVA UNIVERSITY (0266)
CS
50
      pissertation Abstracts International, (1996) Vol. 57, No. 3B, p. 1559.
```

```
Order No.: AAI9621607. 138 pages.
DT
       Dissertation
      DAI
FS
 LA
       English
      Entered STN: 19960807
ED
       Last Updated on STN: 19960807
L2
       ANSWER 160 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 79
AN
      1996:331303
                      BIOSIS
      PREV199699053659
DN
       Roles of the propeptide and metal ions in the folding and stability of the
TI
      catalytic domain of stromelysin (Matrix Metalloproteinase 3). Wetmore, Diana R.; Hardman, Karl D. [Reprint author]
ΑU
CS
       Phys. Sci. Dep., DuPont Merck Pharm. Co., Exp. Stn., Wilmington, DE
       19880-0228, USA
      Biochemistry, (1996) Vol. 35, No. 21, pp. 6549-6558. CODEN: BICHAW. ISSN: 0006-2960.
SO
      Article
DT
      English
LA
      Entered STN: 26 Jul 1996
ED
      Last Updated on STN: 26 Sep 1996
L2
      ANSWER 161 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 80
      1997:300971
AN
                      BIOSIS
      PREV199799600174
DN
TI
      Extracellular production of a Serratia marcescens serine protease in
      Escherichia coli.
ΑU
      Ohnishi, Yasuo; Horinouchi, Sueharu [Reprint author]
CS
      Dep. Biotechnol., Div. Agric. Life Sci., Univ. Tokyo, Bunkyo-ku, Tokyo
      113, Japan
SO
      Bioscience Biotechnology and Biochemistry, (1996) Vol. 60, No. 10, pp.
      1551-1558.
      ISSN: 0916-8451.
DT
      Article
      General Review; (Literature Review)
ΙA
      English
ED
      Entered STN: 9 Jul 1997
      Last Updated on STN: 9 Jul 1997
L2
      ANSWER 162 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 81
      1996:129549
AN
                      BIOSIS
DN
      PREV199698701684
      Distinct roles of the N-terminal and C-terminal precursor domains in the
TI
      biogenesis of the Bordetella pertussis filamentous hemagglutinin.
ΑU
      Renauld-Mongenie, Genevieve; Cornette, Jocelyne; Mielcarek, Nathalie;
      Menozzi, Franco D.; Locht, Camille [Reprint author] lab. de Microbiologie Genetique et Moleculaire, INSERM CJF 9109, Inst. Pasteur de Lille, 1, rue du Prof. Calmette, F-59019 Lille Cedex, France Journal of Bacteriology, (1996) Vol. 178, No. 4, pp. 1053-1060. CODEN: JOBAAY. ISSN: 0021-9193.
CS
SO
      Article
DT
      English
LA
ED
      Entered STN: 27 Mar 1996
      Last Updated on STN: 27 Mar 1996
L2
       ANSWER 163 OF 216 Elsevier BIOBASE COPYRIGHT 2004 Elsevier Science B.V.
       on STN
       1996170965
AN
                       ESBIOBASE
TI
       Evidence for propeptide-assisted folding of the calcium-dependent
       protease of the cyanobacterium Anabaena
       Baier K.; Nicklisch S.; Lockau W.
ΑU
       W. Lockau, Humboldt-Universitat zu Berlin, Institut fur Biologie,
Biochemie der Pflanzen, Chausseestrasse 117, D-10115 Berlin, Germany.
European Journal of Biochemistry, (1996), 241/3 (750-755)
CS
S<sub>0</sub>
       CODEN: EJBCAI ISSN: 0014-2956
       Journal; Article
Germany, Federal Republic of
DT
CY
       English
LA
SL
       English
L2
      ANSWER 164 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 83
      1996:523196
                     BIOSIS
AN
```

```
DN
      PREV199699245552
      The mechanism of autoprocessing of the propeptide of prosubtilisin E:
ΤI
      Intramolecular or intermolecular event?
      Li, Yuyun; Inouye, Masayori [Reprint author]
CS
      Dep. Biochem., Robert Wood Johnson Med. Sch., 675 Hoes Lane, Piscataway,
      NJ 08854, USA
      Journal of Molecular Biology, (1996) Vol. 262, No. 5, pp. 591-594.
SO
      CODEN: JMOBAK. ISSN: 0022-2836.
DT
      Article
      English
LA
ED
      Entered STN: 22 Nov 1996
      Last Updated on STN: 23 Nov 1996
L2
      ANSWER 165 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 84
AN
      1996:129467
                    BIOSIS
      PREV199698701602
DN
      Role of the propeptide in folding and secretion of elastase of Pseudomonas
TI
      aeruginosa.
ΑU
      Braun, Peter [Reprint author]; Tommassen, Jan; Filloux, Alain
      Dep. Molecular Cell Biol. Inst. Biomembranes, Utrecht Univ., Padualaan 8,
CS
      3584 CH Utrecht, Netherlands
      Molecular Microbiology, (1996) Vol. 19, No. 2, pp. 297-306. CODEN: MOMIEE. ISSN: 0950-382X.
SO
DT
      Article
      English
LA
ED
      Entered STN: 27 Mar 1996
      Last Updated on STN: 27 Mar 1996
      ANSWER 166 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 85
L2
ΑN
      1996:328428
                   CAPLUS
DN
      125:81470
     Analysis of pro-region of El Tor cytolysin of Vibrio cholerae as an ***intramolecular*** ***chaperone***
ΤI
ΑU
      Nagamune, Kisaburo
CS
     Res. Inst. Microb. Dis., Osaka Univ., Suita, 565, Japan
     Osaka Daigaku Igaku Zasshi (1996), 48(4/5), 233-244
SO
      CODEN: ODÍZAK; ISSN: 0369-710X
PB
     Osaka Daigaku Igakkai
DT
      Journal
      Japanese
LA
L2
     ANSWER 167 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 86
     1996:520554
                   CAPLUS
AN
      125:241446
DN
        ***Intramolecular***
                                   ***chaperone***
TI
                                                       of alanine racemase
ΑU
     Yoshimura, Tohru; Soda, Kenji
     Inst. Chem. Res., Kyotó Univ., Uji, 611, Japan Igaku no Ayumi (1996), 178(4), 217-219
CODEN: IGAYAY; ISSN: 0039-2359
CS
SO
PB
     Ishiyaku
DT
     Journal: General Review
LA
     Japanese
L2
     ANSWER 168 OF 216 CAPLUS COPYRIGHT 2004 ACS ON STN DUPLICATE 87
ΑN
     1996:565606
                   CAPLUS
DN
     125:241384
TI
     Propeptide-mediated folding in subtilisin: The
                                                            ***intramolecular***
        ***chaperone***
                           concept
     Shinde, Ujwal; Inouye, Masayori
ΑU
     Robert Wood Johnson Medical School, University Medicine and Dentistry New
CS
     Jersey, Piscataway, NJ, 08854, USA
Advances in Experimental Medicine and Biology (1996), 379(Subtilisin
SO
     Enzymes), 147-154
     CODEN: AEMBAP; ISSN: 0065-2598
PB
     Plenum
DT
     Journal; General Review
LA
     English
     ANSWER 169 OF 216 DISSABS COPYRIGHT (C) 2004 ProQuest Information and Learning Company; All Rights Reserved on STN
L2
ΑN
                DISSABS
                           Order Number: AAI9534016
TI
     STUDIES ON EXTRACELLULAR PROTEINASES AS VIRULENCE FACTORS IN INVASIVE
     PULMONARY ASPERGILLOSIS (ASPERGILLUS FUMIGATUS)
     LEE, JONGDAE [PH.D.]; KOLATTUKUDY, PAPPACHAN E. [advisor]
ΑU
     THE OHIO STATE UNIVERSITY (0168)
CS
```

```
SO
      Dissertation Abstracts International, (1995) Vol. 56, No. 6B, p. 3038.
      Order No.: AAI9534016. 122 pages.
DT
      Dissertation
FS
      DAI
LA
      English
ED
      Entered STN: 19951206
      Last Updated on STN: 19951206
L2
      ANSWER 170 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN
AN
      1996:505813
                    CAPLUS
DN
      125:188913
        ***Intramolecular***
TI
                                     ***Chaperones***
                                                            and Protein Folding.
ΑU
      Shinde, Ujwal; Inouye, Masayori; Editors
CS
      (1995) Publisher: (Landes, Austin, Tex.), 259 pp.
SO
DT
      Book
LA
      English
L2
      ANSWER 171 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 88
      1995:547392
ΑN
                     BIOSIS
DN
      PREV199698561692
      Functional analysis of the propeptide of subtilisin E as an ***intramolecular*** ***chaperone*** for protein fo
TI
                                                          for protein folding: Refolding
      and inhibitory abilities of propeptide mutants.
      Li, Yuyun [Reprint author]; Hu, Zhixiang; Jordan, Frank; Inouye, Masayori
ΑU
      [Reprint author]
     Dep. Biochem., Robert Wood Johnson Med. Sch., Univ. Med. Dent. N.J., Piscataway, NJ 08854, USA Journal of Biological Chemistry, (1995) Vol. 270, No. 42, pp. 25127-25132.
CS
SO
      CODEN: JBCHA3. ISSN: 0021-9258.
DT
      Article
LA
      English
ED
      Entered STN: 31 Dec 1995
      Last Updated on STN: 31 Dec 1995
L2
       ANSWER 172 OF 216 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
       DUPLICATE
ΑN
       1995:25239509
                         BIOTECHNO
TI
       The propeptide of anglerfish preprosomatostatin-I rescues
       prosomatostatin- II from intracellular degradation Chen Y.-G.; Danoff A.; Shields D.
ΑU
       Developmental/Molecular Biol. Dept., Albert Einstein College of
CS
       Medicine, Bronx, NY 10461, United States.
       Journal of Biological Chemistry, (1995), 270/31 (18598-18605)
SO
       CODEN: JBCHA3 IŠSN: 0021-9258
DT
       Journal: Article
CY
       United States
LA
       English
SL
       English
L2
      ANSWER 173 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 90
      1996:66909
AN
                   BIOSIS
DN
      PREV199698639044
TI
      The elastase propeptide functions as an
                                                       ***intramolecular***
        ***chaperone***
                            required for elastase activity and secretion in
      Pseudomonas aeruginosa.
      McIver, Kevin S.; Kellser, Efrat; Olson, Joan C.; Ohman, Dennis E.
ΑU
      [Reprint author]
     Dep. Microbiol. Immunol., Univ. Tennessee, Veterans Affairs Medical Center, 858 Madison Avenue, Memphis, TN 38163, USA Molecular Microbiology, (1995) Vol. 18, No. 5, pp. 877-889. CODEN: MOMIEE. ISSN: 0950-382X.
SO
DT
     Article
     English
ED
      Entered STN: 9 Feb 1996
      Last Updated on STN: 13 Mar 1996
L2
     ANSWER 174 OF 216 CAPLUS COPYRIGHT 2004 ACS ON STN DUPLICATE 91
      1995:904385
                    CAPLUS
AΝ
     124:77875
DN
     Biochemical function of lipase activator gene (lipB) from Pseudomonas
ΤI
     aeruginosa TE 3285
     Nishioka, Takaaki; Oda, Junichi
ΑU
CS
      Inst. Chemical Res., Kyoto University, Uji-shi, 611, Japan
```

```
Yukagaku (1995), 44(10), 777-86
CODEN: YKGKAM; ISSN: 0513-398X
SO
PB
      Nippon Yukagaku Kyokai
DT
      Journal
      Japanese
L2
      ANSWER 175 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
      95:459805
AN
                  SCISEARCH
GΑ
      The Genuine Article (R) Number: RF961
      PRO-SEQUENCE-ASSISTED PROTEIN-FOLDING
TI
ΑU
      EDER J; FERSHT A R (Reprint)
     UNIV CAMBRIDGE, CHEM LAB, MRC, PROT FUNCT & DESIGN LAB, LENSFIELD RD, LONDON W1N 4AL, ENGLAND (Reprint); UNIV CAMBRIDGE, CHEM LAB, MRC, PROT FUNCT & DESIGN LAB, LONDON W1N 4AL, ENGLAND
CS
CYA
     ENGLAND
      MOLECULAR MICROBIOLOGY, (MAY 1995) Vol. 16, No. 4, pp. 609-614.
S0
      ISSN: 0950-382X.
DT
      General Review; Journal
FS
      LIFE
LA
      ENGLISH
     Reference Count: 60
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
REC
L2
      ANSWER 176 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 92
      1995:251573
AN
      PREV199598265873
DN
                                  ***intramolecular***
                                                                  ***chaperone***
TI
      Folding mediated by an
      Autoprocessing pathway of the precursor resolved via a substrate assisted
      catalysis mechanism.
      Shinde, Ujwal; Inouye, Masayori
ΑU
      Dep. Biochem., Robert Wood Johnson Med. Sch., Univ. Med. Dentistry New
CS
     Jersey, 675 Hoes Lane, Piscataway, NJ 08854, USA
Journal of Molecular Biology, (1995) Vol. 247, No. 3, pp. 390-395.
CODEN: JMOBAK. ISSN: 0022-2836.
so
DT
      Article
      English
LA
ED
      Entered STN: 13 Jun 1995
      Last Updated on STN: 13 Jun 1995
L2
      ANSWER 177 OF 216 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
      RESERVED. on STN 96053011 EMBASE
                                                                    DUPLICATE 93
AN
DN
      1996053011
      Pro-region of El Tor cytolysin of Vibrio cholerae as ***intramolecular*** ***chaperone*** .
ΤI
     Nagamune K.; Yamamoto K.; Honda T.
Department of Bacterial Infections, Research Inst. Microbial Diseases,
ΑU
CS
     Osaka University, Suita, Osaka 565, Japan Japanese Journal of Medical Science and Biology, (1995) 48/5-6 (277-278).
SO
      ISSN: 0021-5112 CODEN: JJMCAQ
CY
      Japan
DT
      Journal; Conference Article
FS
      004
               Microbiology
lΑ
      English
L2
      ANSWER 178 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 94
      1995:296187
ΑN
DN
      PREV199598310487
      The pro-region of human intestinal lactase-phlorizin hydrolase is
TT
      enzymatically inactive towards lactose.
ΑU
      Forschungslabor Proteinsekretion, Inst. Mikrobiol., Heinrich-Heine-Univ.
CS
      Duessledorf, Universitaetsstr 1, D-40225 Duesseldorf, Germany
     Biological Chemistry Hoppe-Seyler, (1995) Vol. 376, No. 4, pp. 255-258. CODEN: BCHSEI. ISSN: 0177-3593.
SO
DT
      Article
LA
      English
ED
      Entered STN: 11 Jul 1995
      Last Updated on STN: 2 Aug 1995
       ANSWER 179 OF 216 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
L2
       DUPLICATE
       1995:26259152
ΑN
                          BIOTECHNO
       Propeptide-mediated folding in subtilisin: The
                                                                  ***intramolecular***
TI
```

```
***chaperone***
                                  concept
ΑU
        Shinde U.; Inouye M.
        Department of Biochemistry, Robert Wood Johnson Medical School, UMDNJ, 675 Hoes Lane, Piscataway, NJ 08854, United States.
Advances in Experimental Medicine and Biology, (1995), 379/- (147-154) CODEN: AEMBAP ISSN: 0065-2598
CS
SO
DT
        Journal; General Review
        United States
CY
LA
        English
L2
       ANSWER 180 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 96
ΑN
       1995:483213
                        BIOSIS
       PREV199598497513
DN
TI
       Folding pathway mediated by an
                                                  ***intramolecular***
                                                                                   ***chaperone***
       : Characterization of the structural changes in pro-subtilisin E
      coincident with autoprocessing.
Shinde, Ujwal; Inouye, Masayori [Reprint author]
Dep. Biochem., Robert Johnson Med. Sch., Univ. Med. Dent. New Jersey, 675
ΑIJ
CS
      Hoes Lane, Piscataway, NJ 08854, USA
Journal of Molecular Biology, (1995) Vol. 252, No. 1, pp. 25-30.
CODEN: JMOBAK. ISSN: 0022-2836.
S<sub>0</sub>
DT
       Article
       English
LA
       Entered STN: 9 Nov 1995
ED
       Last Updated on STN: 9 Nov 1995
      ANSWER 181 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN
L2
ΑN
       1996:493067
                      CAPLUS
       125:161204
DN
ΤI
       Propeptide mediated protein folding:
                                                          ***Intramolecular***
         ***chaperones***
      Shinde, Ujwal; Li, Yuyun; Inouye, Masayori
Robert Wood Johnson Medical School, University Medicine and Dentistry New
ΑU
CS
       Jersey, Piscataway, NJ, USA
       Intramolecular Chaperones and Protein Folding (1995), 1-9. Editor(s):
SO
      Shinde, Ujwal; Inouye, Masayori. Publisher: Landes, Austin, Tex. CODEN: 63EUA7
DT
      Conference; General Review
LA
       English
L2
       ANSWER 182 OF 216 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
      Learning Company; All Rights Reserved on STN
ΑN
       95:6755 DISSABS
                               Order Number: AAR9434283
TI
      PROTEOLYTIC MATURATION OF VACCINIA VIRUS STRUCTURAL PROTEINS: ENZYME AND
      SUBSTRATE ANALYSIS
ΑU
      WHITEHEAD, STEPHEN S. [PH.D.]
CS
      OREGON STATE UNIVERSITY (0172)
      Dissertation Abstracts International, (1994) Vol. 55, No. 8B, p. 3137. Order No.: AAR9434283. 105 pages.
50
DT
      Dissertation
FS
      DAI
LA
      English
ED
      Entered STN: 19950216
      Last Updated on STN: 19950216
L2
      ANSWER 183 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN
      1994:695948
ΑN
                      CAPLUS
DN
      121:295948
      Involvement of the COOH-terminal pro-sequence of Serratia marcescens serine protease in the folding of the mature enzyme
ΤI
      Ohnishi, Yasuo; Nishiyama, Makoto; Horinouchi, Sueharu; Beppu, Teruhiko Dep. Biotechnol., Univ. Tokyo, Tokyo, 113, Japan Journal of Biological Chemistry (1994), 269(52), 32800-6
ΑU
CS
S<sub>0</sub>
      CODEN: JBCHA3; ISSN: 0021-9258
PB
      American Society for Biochemistry and Molecular Biology
DT
      Journal
      English
LA
      ANSWER 184 OF 216 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States
L2
      of America. It contains copyrighted materials. All rights reserved.
       (2004) on STN
                                                                          DUPLĪCATE 97
      95:62697
                   AGRICOLA
AN
DN
      IND20483688
      The pro region of human intestinal lactase-phlorizin hydrolase.
TI
```

```
Naim, H.Y.; Jacob, R.; Naim, H.; Sambrook, J.F.; Gething, M.J.H. University of Dusseldorf, Dusseldorf, Germany.
ΑU
CS
ΑV
      DNAL (381 J824)
SO
      The Journal of biological chemistry, Oct 28, 1994. Vol. 269, No. 43. p.
      26933-26943
      Publisher: Bethesda, Md.: American Society for Biochemistry and Molecular
      Biology.
      CODEN: JBCHA3; ISSN: 0021-9258
      Includes references
Maryland; United States
NTE
CY
DT
      Article
FS
      U.S. Imprints not USDA, Experiment or Extension
LA
      English
L2
      ANSWER 185 OF 216 AQUASCI
                                           COPYRIGHT 2004 FAO (On behalf of the ASFA
      Advisory Board). All rights reserved. on STN
ΑN
      96:798
               AQUASCI
      ASFA1 1996 26-00757
DN
      The propeptide of anglerfish preprosomatostatin-I rescues
TI
      prosomatostatin-II from intracellular degradation
Chen, Y.-G.; Danoff, A.; Shields, D.*
Dep. and Molec. Biol., Albert Einstein Coll. Med., Bronx, NY 10461, USA
J. BIOL. CHEM., (1994) vol. 270, no. 31, pp. 18598-18605.
ΑU
CS
SO
      ISSN: 0021-9258.
DT
      Journal
FS
      ASFA1
      English
LA
SL
      English
L2
      ANSWER 186 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
ΑN
                 SCISEARCH
GΑ
      The Genuine Article (R) Number: MW989
TI
      AUTOPROCESSING OF PROTHIOLSUBTILISIN-E IN WHICH ACTIVE-SITE SERINE-221 IS
      ALTERED TO CYSTEINE
ΑU
      LI Y Y; INOUYE M (Reprint)
CS
      UNIV MED & DENT NEW JERSEY, ROBERT WOOD JOHNSON MED SCH, DEPT BIOCHEM,
      PISCATAWAY, NJ, 08854 (Reprint); UNIV MED & DENT NEW JERSEY, ROBERT WOOD
      JOHNSON MED SCH, DEPT BIOCHEM, PISCATAWAY, NJ, 08854
CYA
      USA
      JOURNAL OF BIOLOGICAL CHEMISTRY, (11 FEB 1994) Vol. 269, No. 6, pp.
so
      4169-4174.
      ISSN: 0021-9258
DT
      Article; Journal
FS
      LIFE
ΙΔ
      ENGLISH
REC
      Reference Count: 29
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
L2
      ANSWER 187 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 98
      1994:295505
\Delta N
      PREV199497308505
DN
TI
      The structural and functional organization of
                                                                ***intramolecular***
         ***chaperones***
                              : The N-terminal propeptides which mediate protein
      folding.
ΑU
      Shinde, Ujwal; Inouye, Masayori
      Dep. Biochem., Univ. Med. Dentistry New Jersey, Robert Wood Johnson Med. Sch., 675 Hoes Lane, Piscataway, NJ 08854, USA Journal of Biochemistry (Tokyo), (1994) Vol. 115, No. 4, pp. 629-636. CODEN: JOBIAO. ISSN: 0021-924X.
CS
SO
DT
      Article
      General Review; (Literature Review)
LA
      English
ED
      Entered STN: 13 Jul 1994
      Last Updated on STN: 13 Jul 1994
L2
      ANSWER 188 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 99
      1994:133086
                      BIOSIS
AN
DN
      PREV199497146086
      A covalently trapped folding intermediate of subtilisin E: Spontaneous
TT
      dimerization of a prosubtilisin E Ser49Cys mutant in vivo and its
      autoprocessing in vitro.
      Hu, Zhixiang; Zhu, Xueli; Jordan, Frank [Reprint author]; Inouye, Masayori Dep. Chem., Rutgers Univ., State Univ. N.J., Newark, NJ 07102, USA Biochemistry, (1994) Vol. 33, No. 2, pp. 562-569.
ΑU
CS
SO
```

```
CODEN: BICHAW. ISSN: 0006-2960.
DT
      Article
      English
LA
ED
      Entered STN: 24 Mar 1994
      Last Updated on STN: 25 Mar 1994
L2
      ANSWER 189 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      1995:51892
                     BIOSIS
ΑN
DN
      PREV199598066192
      The pro region of human intestinal lactase-phlorizin hydrolase.
TI
ΑU
      Naim, Hassan Y. [Reprint author]; Jacob, Ralf; Naim, Hussein Y.; Sambrook,
      Joseph; Gething, Mary-Jane
      Inst. Microbiol., Univ. Duesseldorf, Duesseldorf, Germany
Molecular Biology of the Cell, (1994) Vol. 5, No. SUPPL., pp. 206A.
Meeting Info.: Thirty-fourth Annual Meeting of the American Society for
SO
      Cell Biology. San Francisco, California, USA. December 10-14, 1994.
CODEN: MBCEEV. ISSN: 1059-1524.
      Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
DT
      Conference; (Meeting Poster)
      English
IΑ
      Entered STN: 31 Jan 1995
ED
      Last Updated on STN: 14 Mar 1995
L2
      ANSWER 190 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 100
1994:530942
ΑN
                       BIOSIS
DN
      PREV199497543942
TI
      The pro-peptide of the pro-beta-polypeptide chain of human
      beta-hexosaminidase is necessary for proper protein folding and exit from
      the endoplasmic reticulum.
      Sagherian, Carmelina; Thorner, Paul; Mahuran, Don [Reprint author] The Res. Inst., Hosp. Sick Child., 555 University Ave., Toronto, ON M5G
ΑU
CS
      1X8, Canada
SO
      Biochemical and Biophysical Research Communications, (1994) Vol. 204, No.
      1, pp. 135-141.
CODEN: BBRCA9. ISSN: 0006-291X.
DT
      Article
IΔ
      English
ED
      Entered STN: 15 Dec 1994
      Last Updated on STN: 16 Dec 1994
L2
      ANSWER 191 OF 216 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
ΑN
      94:520078 SCISEARCH
GA
      The Genuine Article (R) Number: PC670
      RENATURATION OF THE MATURE SUBTILISIN BPN' IMMOBILIZED ON AGAROSE BEADS HAYASHI T; MATSUBARA M; NOHARA D; KOJIMA S; MIURA K; SAKAI T (Reprint) NAGOYA CITY UNIV, FAC PHARMACEUT SCI, DEPT CHEM REACT ENGN, MIZHUHO KU,
ΤI
ΑU
CS
      3-1 TANABE DORI, NAGOYA, AICHI 467, JAPAN (Reprint); NAGOYA CITY UNIV, FAC
      PHARMACEUT SCI, DEPT CHEM REACT ENGN, MIZHUHO KU, NAGOYA, AICHI 467, JAPAN; GAKUSHUIN UNIV, INST BIOMOLEC SCI, TOSHIMA KU, TOKYO 171, JAPAN
CYA
      JAPAN
      FEBS LETTERS, (15 AUG 1994) Vol. 350, No. 1, pp. 109-112. ISSN: 0014-5793.
SO
DT
      Article; Journal
FS
      LIFE
LA
      ENGLISH
RFC
      Reference Count: 17
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
L2
      ANSWER 192 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 101
      1993:431708
ΑN
                      BIOSIS
DN
      PREV199396086333
      Folding pathway mediated by an
                                                ***intramolecular***
TI
                                                                                 ***chaperone***
ΑU
      Shinde, Ujwal; Li, Yuyun; Chatterjee, Sukalyan; Inouye, Masayori [Reprint
      author]
CS
      Dep. Biochem., Robert Wood Johnson Med. Sch., Univ. Med. Dentistry New
      Jersey, 675 Hoes Lane, Piscataway, NJ 08854, USA
Proceedings of the National Academy of Sciences of the United States of America, (1993) Vol. 90, No. 15, pp. 6924-6928.
SO
      CODEN: PNASA6. ISSN: 0027-8424.
      Article
DT
      English
LA
      Entered STN: 22 Sep 1993
ED
```

```
Last Updated on STN: 23 Sep 1993
L2
      ANSWER 193 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 102
      1994:28731 BIOSIS
ΑN
      PREV199497041731
DΝ
        ***Intramolecular***
                                      ***chaperones***
                                                             and protein folding.
ΤI
     Shinde, Ujwal; Inouye, Masayori
Dep. Biochem., Robert Wood Johnson Med. Sch., Univ. Med. Dentistry New
Jersey, 675 Hoes Lane, Piscataway, NJ 08854, USA
Trends in Biochemical Sciences, (1993) Vol. 18, No. 11, pp. 442-446.
ΑU
CS
SO
      CODEN: TBSCDB. ISSN: 0376-5067.
      Article
DT
      English
LA
      Entered STN: 27 Jan 1994
ED
      Last Updated on STN: 27 Jan 1994
      ANSWER 194 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L2
      DUPLICATE 103
      1994:19946 BIOSIS
ΑN
      PREV199497032946
DΝ
      The pro sequence of lactase-phlorizin hydrolase is required for the enzyme
TI
                                               ***intramolecular***
      to reach the plasma membrane: An ***chaperone*** ?.
      Oberholzer, Thomas; Mantei, Ned; Semenza, Giorgio [Reprint author]
ΑU
      Dep. Biochem., Swiss Federal Inst. Technol., ETH-Zentrum, CH-8092 Zurich,
CS
      Switzerland
      FEBS (Federation of European Biochemical Societies) Letters, (1993) Vol.
SO
      333, No. 1-2, pp. 127-131.
CODEN: FEBLAL. ISSN: 0014-5793.
DT
      Article
      English
LA
ED
      Entered STN: 25 Jan 1994
      Last Updated on STN: 5 Mar 1994
L2
      ANSWER 195 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      DUPLICATE 104
AN
      1992:506257
                     BIOSIS
      1992:500237 B10313
PREV199294124782; BA94:124782
DN
                                                                       ***CHAPERONE***
TI
      MUTATIONAL HOT SPOTS IN THE SUBTILISIN PRO-PEPTIDE AND A SECOND-SITE
      SUPPRESSOR MUTATION WITHIN THE SUBTILISIN MOLECULE.
      KOBAYASHI T [Reprint author]; INOUYE M
DEP BIOCHEM, ROBERT WOOD JOHNSON MED SCH, UNIV MED DENTISTRY NEW JERSEY
ΑU
CS
      RUTGERS, PISCATAWAY, NJ 08854, USA
Journal of Molecular Biology, (1992) Vol. 226, No. 4, pp. 931-933.
CODEN: JMOBAK. ISSN: 0022-2836.
SO
DT
      Article
FS
      BA
LA
      ENGLISH
ED
      Entered STN: 9 Nov 1992
      Last Updated on STN: 24 Dec 1992
L2
      ANSWER 196 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN
ΑN
      1993:119357
                    CAPLUS
DN
      118:119357
TI
        ***Intramolecular***
                                      ***chaperone*** : the role of the pro-peptide
      in protein folding
      Inouye, Masayori
Robert Wood Johnson Med. Sch., Univ. Med., Piscataway, NJ, USA
Enzyme (1992), Volume Date 1991, 45(5-6), 314-21
CODEN: ENZYBT; ISSN: 0013-9432
ΑU
CS
so
DT
      Journal; General Review
      English
LA
      ANSWER 197 OF 216 CAPLUS COPYRIGHT 2004 ACS on STN
L2
      1992:146778
                    CAPLUS
ΑN
      116:146778
DN
TI
      Pro-peptide as an intermolecular chaperone: renaturation of denatured
      subtilisin E with a synthetic pro-peptide [Erratum to document cited in
      CA115(17):178174r]
      Ohta, Y.; Hojo, H.; Aimoto, S.; Kobayashi, T.; Zhu, X.; Jordan, F.;
ΑU
      Inouye, M.
      Robert Wood Johnson Med. Sch., UMDNJ, Piscataway, NJ, 08854-5635, USA
CS
      Molecular Microbiology (1991),
                                           5(12), 3090
S<sub>0</sub>
      CODEN: MOMIEE; ISSN: 0950-382X
```

```
DT
     Journal
LA
     English
L2
     ANSWER 198 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
     DUPLICATE 105
1992:239257
ΔN
                   BIOSIS
     PREV199293127282; BA93:127282
CORRECTION OF BA 92080381. PRO-PEPTIDE AS AN
DN
                                                        ***INTRAMOLECULAR***
ΤI
       ***CHAPERONE***
                          RENATURATION OF DENATURED SUBTILISIN E WITH A SYNTHETIC
     PRO-PEPTIDE. CORRECTION OF TITLE AND ABSTRACT FROM PRO-PEPTIDE AS AN
     INTERMOLECULAR CHAPERONE RENATURATION OF DENATURED SUBTILISIN E WITH A
     SYNTHETIC PRO-PEPTIDE. ERRATUM PUBLISHED IN MOL MICROBIOL VOL. 5. ISS. 12.
     1991. P. 3090. OHTA Y [Reprint author]; HOJO H; AIMOTO S; KOBAYASHI T; ZHU X; JORDAN F;
AU
     INOUYE M
     DEP BIOCHEM, UMDNJ-ROBERT WOOD JOHNSON MED SCH, 675 HOES LANE, PISCATAWAY,
cs
     NJ 08854-5635, USA
                               (1991) Vol. 5, No. 6, pp. 1507-1510.
so
     Molecular Microbiology,
     CODEN: MOMIEE. ISSN: 0950-382X.
DT
     Article
     Errata
FS
     BA
     ENGLISH
LA
     Entered STN: 10 May 1992
ED
     Last Updated on STN: 1 Jul 1992
L2
     ANSWER 199 OF 216 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
     RESERVED. on STN
                                                             DUPLICATE 106
     92352142
                EMBASE
AΝ
     1992352142
DN
       ***Intramolecular***
                                   ***chaperone*** : The role of the pro-peptide
TT
     in protein folding.
     Inouye M.
ΑIJ
CS
     Department of Biochemistry, UMDNJ at Rutgers, Robert Wood Johnson Medical
     School, 675 Hoes Lane, Piscataway, NJ 08854, United States
     Enzyme, (1991) 45/5-6 (314-321).
SO
     ISSN: 0013-9432 CODEN: ENZYBT
CY
     Switzerland
     Journal; General Review
DT
     029
              Clinical Biochemistry
FS
     English
LΑ
SL
     English
L2
     ANSWER 200 OF 216 BIOCOMMERCE COPYRIGHT 2004 BioCommerce Data Ltd. on
     0103721 BIOCOMMERCE FS Abstract
Robert Wood Johnson Medical School (16046), USA
ΑN
CO
     New Jersey, University of Medicine and Dentistry of (3413), USA
     Trends in Biochemical Sciences, NOV 1993, vol. 1811, Page(s) 442-446.
SO
     General Review
TC
      ANSWER 201 OF 216 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
L2
ΑN
      AAY42861 protein
                                DGENE
      New chimeric proteins containing human growth hormone fragment, used particularly for the production of human insulin -
ΤI
IN
      Gan Z
PA
       (TONG-N)
                   TONGHUA GANTECH BIOTECHNOLOGY LTD.
      wo 9950302
                     A1 19991007
ΡI
                                                   46p
      WO 1998-CN52
ΑI
                             19980331
PRAI
      WO 1998-CN52
                             19980331
DT
      Patent
LA
      English
      1999-610839 [52]
os
DESC
      Chimeric protein, SEQ ID 7.
L2
      ANSWER 202 OF 216 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
ΑN
      AAY42860 protein
                                DGENE
      New chimeric proteins containing human growth hormone fragment, used
TI
      particularly for the production of human insulin
      .
Gan Z
TN
PA
       (TONG-N)
                   TONGHUA GANTECH BIOTECHNOLOGY LTD.
      wo 9950302
                     A1 19991007
PΙ
                                                   46p
      WO 1998-CN52
ΑI
                             19980331
PRAI
      WO 1998-CN52
                             19980331
      Patent
DT
      English
LA
```

```
os
      1999-610839 [52]
DESC
      hGH-mini-proinsulin chimeric protein.
      ANSWER 203 OF 216 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
L2
      AAY42859 protein
                                DGENE
ΑN
      New chimeric proteins containing human growth hormone fragment, used
TT
      particularly for the production of human insulin
      Gan Z
TN
PA
      (TONG-N)
                   TONGHUA GANTECH BIOTECHNOLOGY LTD.
      wo 9950302
                     A1 19991007
PΙ
ΑI
      WO 1998-CN52
                             19980331
      WO 1998-CN52
                             19980331
PRAI
DT
      Patent
      English
LA
      1999-610839 [52]
os
      Human insulin precursor, SEQ ID 5.
DESC
L2
      ANSWER 204 OF 216 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      AAY42858 protein
                               DGENE
ΑN
      New chimeric proteins containing human growth hormone fragment, used
TI
      particularly for the production of human insulin
IN
      Gan Z
                   TONGHUA GANTECH BIOTECHNOLOGY LTD.
PA
      (TONG-N)
      wo 9950302
PΙ
                     A1 19991007
      WO 1998-CN52
                            19980331
ΑI
      WO 1998-CN52
PRAI
                            19980331
DT
      Patent
LA
      English
      1999-610839 [52]
os
      Human insulin precursor, SEQ ID 5.
DESC
L2
      ANSWER 205 OF 216
                         DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      AAY42857 peptide
AN
                               DGENE
TI
      New chimeric proteins containing human growth hormone fragment, used
      particularly for the production of human insulin
IN
      Gan Z
      (TONG-N)
                   TONGHUA GANTECH BIOTECHNOLOGY LTD.
PA
      wo 9950302
                     A1 19991007
ΡI
ΑI
      WO 1998-CN52
                            19980331
PRAI
      WO 1998-CN52
                            19980331
DT
      Patent
LA
      English
os
      1999-610839 [52]
      Cleavable peptide linker for hGH-mini-proinsulin chimeric protein.
DESC
L2
      ANSWER 206 OF 216 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      AAY42856
                protein
ΑN
                               DGENE
TI
      New chimeric proteins containing human growth hormone fragment, used
      particularly for the production of human insulin
ΙN
      Gan Z
PA
      (TONG-N)
                   TONGHUA GANTECH BIOTECHNOLOGY LTD.
      wo 9950302
PΙ
                     A1 19991007
      WO 1998-CN52
                            19980331
ΑI
PRAI
      WO 1998-CN52
                            19980331
DT
      Patent
      English
LA
      1999-610839 [52]
OS
DESC
      Human growth hormone (hGH) N-terminal fragment #2.
L2
      ANSWER 207 OF 216 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      AAY42855 protein
                               DGENE
AN
      New chimeric proteins containing human growth hormone fragment, used particularly for the production of human insulin -
TI
TN
      Gan Z
PA
                  TONGHUA GANTECH BIOTECHNOLOGY LTD.
      (TONG-N)
ΡI
      wo 9950302
                     A1 19991007
                                                  46p
      WO 1998-CN52
                            19980331
ΑI
PRAI
      WO 1998-CN52
                            19980331
DT
      Patent
LA
      English
      1999-610839 [52]
os
DESC
      Human growth hormone (hGH) N-terminal fragment #1.
L2
     ANSWER 208 OF 216 FEDRIP COPYRIGHT 2004 NTIS ON STN
     2004:180686 FEDRIP
ΑN
     CRISP 1R01GM65970-01A1
NR
```

```
Dimerization mechanisms of two procaspase subfamilies Principal Investigator: CLARK, ALLAN C; CLAY_CLARK@NCSU.EDU, NORTH
TT
SF
     CAROLINA ST UNIV, 128 POLK HALL NCSU BÓX 7622
CSP
     NORTH CAROLINA STATE UNIVERSITY RALEIGH, RALEIGH, NORTH CAROLINA
     Supported By: NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES 2005 (/01/03)
CSS
DB
FYR
     2003
     2004 (/30/08)
DE
     New Award (Type 1)
Fυ
FS
     National Institutes of Health
     ANSWER 209 OF 216 FEDRIP COPYRIGHT 2004 NTIS on STN 2004:180055 FEDRIP
L2
ΑN
     CRISP 5R01GM63834-03
NR
     STRUCTURAL OF THE APOPTOSOME & ITS ROLE IN CELL DEATH
TI
SE
     Principal Investigator: AKEY, CHRISTOPHER W.; AKEY@MED-BIOPHM.BU.EDU,
     BOSTON UNIV SCHOOL OF MEDICINE, 715 ALBANY STREET, W302
BOSTON UNIVERSITY MEDICAL CAMPUS, BOSTON, MASSACHUSETTS
Supported By: NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
CSP
CSS
     2007 (/01/01)
DB
FYR
     2003
     2006 (/30/05)
DE
FU
     Noncompeting Continuation (Type 5)
FS
     National Institutes of Health
L2
     ANSWER 210 OF 216 FEDRIP COPYRIGHT 2004 NTIS on STN
     2004:178090 FEDRIP
ΑN
NR
     CRISP 2R01GM56419-05A1
TI
     Propeptide-Mediated Protein Folding
SF
     Principal Investigator: INOUYE, MAŚAYORI; INOUYE@UMDNJ.EDU, UMDNJ-ROBERT W
     JOHNSON MED SCH, 675 HOES LANE
     UNIV OF MED/DENT NJ-R W JOHNSON MED SCH, PISCATAWAY, NEW JERSEY
CSP
CSS
     Supported By: NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
DB
      2005 (/01/98)
     2003
FYR
DE
     2007 (/31/07)
Fυ
     Competing Continuation (Type 2)
FS
     National Institutes of Health
L2
     ANSWER 211 OF 216 FEDRIP COPYRIGHT 2004 NTIS ON STN
     2004:152785
                   FEDRIP
AN
     CRISP 5P01CA50661-15
NR
                                0006
     SIGNAL TRANSDUCTION PATHWAYS OF POLYOMA MIDDLE T
TI
SF
     Principal Investigator: SCHAFFHAUSEN, BRIAN S; DANA-FARBER CANCER
     INSTITUTE
CSP
     DANA-FARBER CANCER INSTITUTE, BOSTON, MASSACHUSETTS
CSS
     Supported By: NATIONAL CANCER INSTITUTE
     2007 (/01/89)
DB
FYR
     2003
DE
     2002 (/29/04)
FU
     Noncompeting Continuation (Type 5)
     National Institutes of Health
FS
L2
     ANSWER 212 OF 216 FEDRIP COPYRIGHT 2004 NTIS on STN
AN
     2004:149472 FEDRIP
     CRISP 5R01AR45909-04
NR
     AGGRECAN FOLDING, CHAPERONES, AND INTRACELLULAR ROUTING
TI
     Principal Investigator: TANZER, MARVIN L; TANZER@MBCG.UCHC.EDU, UNIV OF
SF
     CONNECTICUT, 263 FARMINGTON AVE
     UNIVERSITY OF CONNECTICUT SCH OF MED/DNT, FARMINGTON, CONNECTICUT
CSP
CSS
     Supported By: NATIONAL INSTITUTE OF ARTHRITIS AND MUSCULOSKELETAL AND SKIN
     DISEASES
     2004 (/01/99)
DB
FYR
     2002
     2003 (/31/04)
DE
     Noncompeting Continuation (Type 5)
FU
FS
     National Institutes of Health
L2
     ANSWER 213 OF 216 FEDRIP COPYRIGHT 2004 NTIS on STN
     2004:143549 FEDRIP
AN
     CRISP 5R01AI26187-13
NR
     PROTEASE SECRETION IN PSEUDOMONAS AERUGINOSA
TT
     Principal Investigator: OHMAN, DENNIS E.; DEOHMAN@MAIL2.VCU.EDU, VA CW
SF
     UNIV MED COLL VA CAMPUS, 1101 E MARSHALL ST/ RM 5-051
     VIRGINIA COMMONWEALTH UNIVERSITY, RICHMOND, VIRGINIA Supported By: NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
CSP
CSS
```

```
DB
      2004 (/01/88)
FYR
      2003
DΕ
      2006 (/30/04)
Fυ
      Noncompeting Continuation (Type 5)
FS
      National Institutes of Health
L2
      ANSWER 214 OF 216 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      1993:81984 BIOSIS
AN
      PREV199344036234
DN
                                      ***chaperone*** : The role of the pro-peptide
        ***Intramolecular***
TT
      in protein folding.
ΑIJ
      Inouye, Masayori
     Dep. Biochem., University Med. Dentisty, New Jersey at Rutgers, Robert Wood Johnson Med. Sch., 675 Hoes Lane, Piscataway, N.J. 08854, USA Enzyme (Basel), Vol. 45, No. 5-6, pp. 314-321. 1991 (1992). CODE: ENZYBT. ISSN: 0013-9432.
CS
so
DT
      Article
      General Review; (Literature Review)
      English
      Entered STN: 1 Feb 1993
ED
      Last Updated on STN: 2 Feb 1993
L2
      ANSWER 215 OF 216 AGRICOLA Compiled and distributed by the National
      Agricultural Library of the Department of Agriculture of the United States
                     It contains copyrighted materials. All rights reserved.
      of America.
      (2004) on STN
      2004:9122 AGRICOLA
ΑN
DN
      IND43616433
TI
      A new approach for alteration of protease functions: pro-sequence
      engineering.
     Takagi, H.; Takahashi, M.
Applied microbiology and biotechnology, p. 1-9
AU
SO
      ISSN: 0175-7598
NTE
      Includes references
DT
      Article; (SURVEY OF LITURATURE)
FS
      Non US
LA
      English
     ANSWER 216 OF 216 CONFSCI COPYRIGHT 2004 CSA on STN
L2
ΑN
      2000:47265
                   CONFSCI
DN
      00-044136
        ***Intramolecular***
TI
                                      ***chaperone***
                                                           mediated folding of
      subtilisin
     Shinde, U.P.; Fu, X.; Marie-Claire, C.; Yabuta, Y.; Inouye, M. American Chemical Society, 1155 16th St., NW, Washington, DC 20036, USA; phone: (202) 872-6059; fax: (202) 872-6128; email: v_beatty@acs.org; URL:
ΑU
SO
     www.acs.org.
      Meeting Info.: 001 0107: 219. Meeting and Exposition of the American
      Chemical Society (0010107). San Francisco, CA (USA). 26-30 Mar 2000.
      Amercian Chemical Society.
DT
      Conference
FS
      DCCP
ΙA
      English
=> S somatotropin OR human-growth-hormone OR hGH
  11 FILES SEARCHED...
  22 FILES SEARCHED...
  34 FILES SEARCHED...
  49 FILES SEARCHED...
  61 FILES SEARCHED...
         161989 SOMATOTROPIN OR HUMAN-GROWTH-HORMONE OR HGH
=> S fusion protein OR chimeric protein OR chimera OR heterologous protein
  11 FILES SEARCHED...
  20 FILES SEARCHED...
  22 FILES SEARCHED...
  30 FILES SEARCHED...
  42 FILES SEARCHED...
  49 FILES SEARCHED...
  61 FILES SEARCHED..
         783403 FUSION PROTEIN OR CHIMERIC PROTEIN OR CHIMERA OR HETEROLOGOUS
                 PROTEIN
=> s human insulin precursor
  12 FILES SEARCHED...
```

```
22 FILES SEARCHED...
42 FILES SEARCHED...
  60 FILES SEARCHED...
                337 HUMAN INSULIN PRECURSOR
=> S L3 AND L4 AND L5
  40 FILES SEARCHED..
L6
                 17 L3 AND L4 AND L5
=> DUP REM L6
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, BIOCOMMERCE, DGENE,
DRUGMONOG2, IMSRESEARCH, FEDRIP, FOREGE, GÉNBANK, IMSPRODUCT, KOSMET,
MEDICONF, NUTRACEUT, PCTGEN, PHAR, PHARMAML, PROUSDDR, RDISCLOSURE, SYNTHLINE'. ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L6
L7
                  16 DUP REM L6 (1 DUPLICATE REMOVED)
=> D L7 1-16
L7
       ANSWER 1 OF 16 USPATFULL on STN
          2004:178941 USPATFULL
AΝ
TI
          Composition and method to alter lean body mass and bone properties in a
          subject
          Draghia-Akli, Ruxandra, Houston, TX, UNITED STATES
IN
          Schwartz, Robert J., Houston, TX, UNITED STATES
          Baylor College of Medicine, Houston, TX, UNITED STATES, 77030 (U.S.
PA
          corporation)
PΙ
          us 2004138111
                                     Α1
                                             20040715
          US 2002-281067
US 2001-357808P
                                            20021025 (10)
AΙ
                                     Α1
PRAI
                                       20011026 (60)
          Utility
DT
          APPLICATION
LN.CNT
         3991
INCL
          INCLM: 514/012.000
          NCLM: 514/012.000
NCL
TC
          [7]
          ICM: A61K038-25
L7
       ANSWER 2 OF 16 USPATFULL ON STN
          2004:76164 USPATFULL
AN
          Plasmid mediated supplementation for treating chronically ill subjects
ΤI
          Draghia-Akli, Ruxandra, Houston, TX, UNITED STATES
IN
         Carpenter, Robert H., Bastrop, TX, UNITED STATES
Kern, Douglas R., The Woodlands, TX, UNITED STATES
Schwartz, Robert J., Houston, TX, UNITED STATES
King, Glen, Rosharon, TX, UNITED STATES
Hahn, Kevin, Missouri City, TX, UNITED STATES
Brenner, Malcolm K., Bellaire, TX, UNITED STATES
ADVISYS, Inc., The Woodlands, TX, 77381 (U.S. corporation)
Baylor College of Medicine Houston, TX, 77030 (U.S. corpo
PA
          Baylor College of Medicine, Houston, TX, 77030 (U.S. corporation) US 2004057941 A1 20040325
PΙ
                                            20021210 (10)
ΑT
          us 2002-315907
                                     Α1
PRAI
          US 2001-339610P
                                      20011211 (60)
DT
          Utility
FS
          APPLICATION
LN.CNT
         5986
INCL
          INCLM: 424/093.210
          INCLS: 514/044.000
NCL
          NCLM:
                    424/093.210
          NCLS:
                   514/044.000
IC
          [7]
          ICM: A61K048-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L7
       ANSWER 3 OF 16 USPATFULL ON STN
          2004:69593 USPATFULL
ΑN
         Fusion proteins comprising DP-178 and other viral fusion inhibitor peptides useful for treating aids Bolognesi, Dani Paul, Durham, NC, UNITED STATES
TI
IN
         Matthews, Thomas James, Durham, NC, UNITED STATES Wild, Carl T., Durham, NC, UNITED STATES Barney, Shawn O?apos, Lin, Cary, NC, UNITED STATES Lambert, Dennis Michael, Cary, NC, UNITED STATES
          Petteway, Stephen Robert, Cary, NC, UNITED STATES Langlois, Alphonse J., Durham, NC, UNITED STATES
          Duke University (U.S. corporation)
PA
```

```
Trimeris, Inc. (U.S. corporation)
US 2004052820 A1 20040318
ΡI
                                             20021008 (10)
ΑI
          us 2002-267748
                                      Α1
          Continuation of Ser. No. US 1995-484223, filed on 7 Jun 1995, PENDING
RLI
          Division of Ser. No. US 1995-470896, filed on 6 Jun 1995, GRANTED, Pat. No. US 6479055 Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994, GRANTED, Pat. No. US 6017536 Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994, GRANTED, Pat. No. US 6440656 Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, GRANTED, Pat. No. US 5464023
          GRANTED, Pat. No. US 5464933
DT
          Utility
FS
          APPLICATION
LN.CNT 40442
INCL
          INCLM: 424/208.100
          INCLS: 424/188.100; 530/350.000; 424/204.100; 530/300.000
                    424/208.100
NCL
          NCLM:
          NCLS:
                    424/188.100; 530/350.000; 424/204.100; 530/300.000
IC
           [7]
          ICM: A61K039-21
          ICS: C07K014-16; A61K039-12; C07K002-00; C07K004-00; C07K005-00;
C07K007-00; C07K014-00; C07K016-00; C07K017-00; A61K038-00; C07K001-00 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L7
       ANSWER 4 OF 16 USPATFULL ON STN
          2004:50778 USPATFULL
ΑN
ΤI
          Gene expression in bladder tumors
          Orntoft, Torben F., Aabyhoj, DENMARK
ΙN
          us 2004ó38207
                                     A1
                                             20040226
PΙ
          us 2001-951968
                                      Α1
                                              20010914 (9)
ΑI
RLI
          Division of Ser. No. US 2000-510643, filed on 22 Feb 2000, UNKNOWN
DT
          Utility
          APPLICATION
FS
LN.CNT 28561
          INCLM: 435/006.000
INCL
NCL
          NCLM:
                   435/006.000
IC
          [7]
          ICM: C12Q001-68
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L7
       ANSWER 5 OF 16 USPATFULL ON STN
          2004:44245 USPATFULL
ΑN
          Nucleic acids encoding DP-178 and other viral fusion inhibitor peptides
TI
          useful for treating aids
          Bolognesi, Dani Paul, Durham, NC, UNITED STATES
Matthews, Thomas James, Durham, NC, UNITED STATES
TN
          Wild, Carl T., Durham, NC, UNITED STATES
PA
          Duke University (U.S. corporation)
                                             20040219
          us 2004033235
ΡI
                                     Α1
ΑI
          us 2003-267682
                                     Α1
                                             20030106 (10)
          Continuation of Ser. No. US 1995-484223, filed on 7 Jun 1995, PENDING Division of Ser. No. US 1995-470896, filed on 6 Jun 1995, GRANTED, Pat. No. US 6479055 Continuation-in-part of Ser. No. US 1994-360107, filed on
RLI
          20 Dec 1994, GRANTED, Pat. No. US 6017536 Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994, GRANTED, Pat. No. US 6440656 Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, GRANTED, Pat. No. US 5464933
DT
          Utility
FS
          APPLICATION
LN.CNT
          59510
          INCLM: 424/186.100
INCL
          INCLS: 424/188.100; 530/350.000; 424/208.100; 424/187.100
                    424/186.100
NCL
          NCLM:
          NCLS:
                    424/188.100; 530/350.000; 424/208.100; 424/187.100
          [7]
IC
          ICM: A61K039-21
          ICS: A61K039-12; C07K014-16; C07K014-10; C07K014-05; C07K014-11
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
       ANSWER 6 OF 16 USPATFULL ON STN
L7
          2003:40533 USPATFULL
ΑN
          Methods for the inhibition of epstein-barr virus transmission employing anti-viral peptides capable of abrogating viral fusion and transmission Barney, Shawn O'Lin, Cary, NC, United States
TI
IN
          Lambert, Dennis Michael, Cary, NC, United States
          Petteway, Stephen Robert, Cary, NC, United States
Trimeris, Inc., Durham, NC, United States (U.S. corporation)
PA
```

```
US 6518013
US 1995-485546
                                         20030211
PΙ
                                  R1
ΑI
                                         19950607 (8)
         Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994,
RLI
         now patented, Pat. No. US 6017536 Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994 Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, now patented, Pat. No. US 5464933
DT
         Utility
         GRANTED
LN.CNT
         24700
         INCLM: 435/005.000
INCL
         INCLS: 424/230.100; 530/300.000; 530/324.000; 530/325.000; 530/326.000
NCL
                  435/005.000
         NCLS:
                  424/230.100; 530/300.000; 530/324.000; 530/325.000; 530/326.000
IC
         [7]
         ICM: C12Q001-70
         435/5; 530/300; 530/324-329; 530/350; 424/230.1
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 7 OF 16 IFIPAT COPYRIGHT 2004 IFI on STN DUPLICATE 1
L7
        10221005 IFIPAT;IFIUDB;IFICDB
***CHIMERIC*** ***PROTEI
ΑN
                                    ***PROTEIN***
TI
                                                         CONTAINING AN INTRAMOLECULAR
        CHAPERONE-LIKE SEQUENCE
        Gan Zhong-Ru (CN)
US 2002164712 A
TN
ΡI
                                  20021107
        US 2002-54873
                                  20020122
ΑI
RLI
        WO 1998-CN52
                                   19980331 Section 371 PCT Filing UNKNOWN
        US 2000-423100
                                  20001211 CONTINUATION
                                                                             PENDING
FΙ
        US 2002164712
                                   20021107
        Utility; Patent Application - First Publication
DT
FS
        CHEMICAL
        APPLICATION
CLMN
        77
GI
         2 Figure(s).
      FIGS. 1A and 1B. Structure of proinsulin and mature insulin with correctly formed disulfide bridges. 1A depicts the structure of proinsulin. 1B
        depicts the structure of mature insulin with correctly formed disulfide
        bridges.
       FIG. Ž. Map of the
                                  ***hGH*** -mini-proinsulin (SEQ ID NO: 6) expression
        vector (pZRhi-1).
L7
      ANSWER 8 OF 16 USPATFULL ON STN
         2002:297296 USPATFULL
AN
         Methods for inhibition of membrane fusion-associated events, including
TI
         respiratory syncytial virus transmission
         Bolognesi, Dani Paul, Durham, NC, United States
ΙN
         Matthews, Thomas James, Durham, NC, United States Wild, Carl T., Durham, NC, United States Barney, Shawn O'Lin, Cary, NC, United States
         Lambert, Dennis Michael, Cary, NC, United States
         Petteway, Stephen Robert, Cary, NC, United States
Langlois, Alphonse J., Durham, NC, United States
Trimeris, Inc., Durham, NC, United States (U.S. corporation)
PA
PΙ
         US 6479055
                                  В1
                                         20021112
ΑI
         US 1995-470896
                                         19950606 (8)
         Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994, now patented, Pat. No. US 6017536 Continuation-in-part of Ser. No. US
RLI
         1994-255208, filed on 7 Jun 1994 Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, now patented, Pat. No. US 5464933
DT
         Utility
         GRANTED
FS
LN.CNT
         26553
INCL
         INCLM: 424/211.100
         INCLS: 424/186.100; 530/324.000
NCLM: 424/211.100
NCL
         NCLM:
                  424/186.100; 530/324.000
         NCL5:
IC
         [7]
         ICM: A61K039-145
         435/5; 435/240.2; 424/184.1-189.1; 424/204.1-211.1; 424/225.1; 424/227.1; 424/230.1; 514/1; 514/2; 530/324; 530/350; 530/826
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L7
      ANSWER 9 OF 16 USPATFULL ON STN
         2001:67794 USPATFULL
AN
         Human respiratory syncytial virus peptides with antifusogenic and
TI
         antiviral activities
ΙN
         Barney, Shawn O'Lin, Cary, NC, United States
```

```
Lambert, Dennis Michael, Cary, NC, United States
Petteway, Stephen Robert, Cary, NC, United States
Trimeris, Inc., Durham, NC, United States (U.S. corporation)
PA
PΙ
        US 6228983
                                       20010508
                                в1
ΑI
        US 1995-485264
                                       19950607
                                                  (8)
        Division of Ser. No. US 1995-470896, filed on 6 Jun 1995
RLI
        Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994 Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994 Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, now
         patented, Pat. No. US 5464933
         Utility
DT
         Granted
FS
LN.CNT
        32166
         INCLM: 530/300.000
INCL
         INCLS: 530/324.000; 530/325.000; 530/326.000; 424/211.100; 424/186.100
         NCLM:
                 530/300.000
NCL
                 424/186.100; 424/211.100; 530/324.000; 530/325.000; 530/326.000
         [7]
IC
         ICM: A61K038-00
FXF
         530/350; 530/324-329; 530/300; 424/211.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L7
      ANSWER 10 OF 16 USPATFULL on STN
         2000:121639 USPATFULL
AN
TI
         Triazine based ligands and use thereof
IN
               _Christopher Robin, Saffron Walden, United Kingdom
        Sproule, Kenneth, Cambridge, United Kingdom
        Li, Rongxiu, Cambridge, United Kingdom
Stewart, David Johnson, Huntingdon, NY, United States
Pearson, James Christopher, Cambridge, United Kingdom
Burton, Steven James, Cambridge, United Kingdom
        Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
PA
        US 6117996
US 1998-71927
PΙ
                                       20000912
ΑI
                                       19980501 (9)
        Continuation-in-part of Ser. No. US 1997-849502, filed on 5 Jun 1997
RIT
         now abandoned which is a continuation of Ser. No. WO 1996-DK399, filed
        on 19 Sep 1996
GB 1995-19197
PRAI
                                  19950920
        DK 1998-399
                                  19980320
DT
        Utility
FS
         Granted
LN.CNT
        1973
        INCLM: 544/216.000
INCL
         INCLS: 544/215.000; 210/198.200
                 544/216.000
NCL
        NCLM:
                 210/198.200; 544/215.000
         NCLS:
TC
         [7]
         ICM: C07D251-02
EXF 544/215; 544/216; 210/198.2 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
       ANSWER 11 OF 10 AAY42861 protein DGENE New ***chimeric*** ***protein DGENE ***
L7
       ANSWER 11 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
ΑN
ΤI
                                      ***proteins***
                                                            containing
                                                  fragment, used particularly for the
       production of human insulin
IN
       Gan Z
PA
       (TONG-N)
                      TONGHUA GANTECH BIOTECHNOLOGY LTD.
                         A1 19991007
       wo 9950302
PΙ
ΑI
       WO 1998-CN52
                                  19980331
PRAI
       wo 1998-cn52
                                  19980331
DT
       Patent
LA
       English
os
       1999-610839 [52]
          ***Chimeric***
                                  ***protein*** , SEQ ID 7.
DESC
L7
       ANSWER 12 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
       AAY42860 protein
New ***chimeric***
                                     DGENE
AN
                                      ***proteins***
                                                                           ***human***
TI
                                                            containing
          ***arowth***
                            ***hormone***
                                                  fragment, used particularly for the
       production of human insulin
IN
                      TONGHUA GANTECH BIOTECHNOLOGY LTD.
PA
       (TONG-N)
       wo 9950302
PΙ
                         A1 19991007
       WO 1998-CN52
                                  19980331
ΑI
PRAI
       WO 1998-CN52
                                  19980331
```

```
DT
       Patent
LΑ
       English
       1999-610839 [52]

***hGH*** -mini-proinsulin ***chimeric***
os
                                                                   ***protein*** .
DESC
       ANSWER 13 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN AAY42859 protein DGENE New ***chimeric*** ***proteins*** containing ***human***
L7
       AAY42859 protein
New ***chimeric***
AN
TI
         ***growth*** ***hormone***
                                                fragment, used particularly for the
       production of human insulin
       Gan Z
IN
PA
       (TONG-N)
                     TONGHUA GANTECH BIOTECHNOLOGY LTD.
       WO 9950302
WO 1998-CN52
                      A1 19991007
ΡI
                                 19980331
ΑI
       WO 1998-CN52
PRAT
                                 19980331
DΤ
       Patent
ΙΑ
       English
       1999-610839 [52]
os
         ***Human***
                             ***insulin***
DESC
                                                 ***precursor*** , SEQ ID 5.
L7
       ANSWER 14 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
       AAY42858 protein DGENE
New ***chimeric*** ***proteins*** containing
***growth*** ***hormone*** fragment, used par
ΑN
TT
                                                                          ***human***
                                                fragment, used particularly for the
       production of human insulin
IN
       (TONG-N)
PA
                     TONGHUA GANTECH BIOTECHNOLOGY LTD.
       wo 9950302
PΙ
                      A1 19991007
                                19980331
ΑI
       WO 1998-CN52
PRAI
       WO 1998-CN52
                                 19980331
DT
       Patent
LA
       English
       1999-610839 [52]
***Human***
os
                            ***insulin***
                                                   ***precursor*** , SEQ ID 5.
DESC
L7
       ANSWER 15 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
       AAY42857 peptide DGENE

New ***chimeric*** ***proteins*** containing ***human***

***growth*** ***hormone*** fragment, used particularly for the
ΑN
ΤI
       production of human insulin -
       (TONG-N) TONGHUA GANTECH BIOTECHNOLOGY LTD.
WO 9950302 A1 19991007
ΙN
PA
PΙ
ΑI
       WO 1998-CN52
                                19980331
PRAI
       WO 1998-CN52
                                 19980331
DT
       Patent
LA
       English
os
       1999-610839 [52]
DESC
       Cleavable peptide linker for ***hGH*** -mini-proinsulin
          ***chimeric***
                                ***protein***
L7
       ANSWER 16 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
       AAY42856 protein DGENE

New ***chimeric*** ***proteins*** containing ***human***

***growth*** ***hormone*** fragment, used particularly for the
ΑN
TI
       production of human insulin -
ΙN
       (TONG-N)
PA
                     TONGHUA GANTECH BIOTECHNOLOGY LTD.
       WO 9950302
PΙ
                       A1 19991007
ΑI
       WO 1998-CN52
                                19980331
PRAI
       WO 1998-CN52
                                19980331
DT
       Patent
LA
       English
       1999-610839 [52]
0S
         ***Human***
                            ***growth***
                                               ***hormone***
                                                                     ( ***hGH*** )
       N-terminal fragment #Ž.
STN INTERNATIONAL LOGOFF AT 11:47:22 ON 15 JUL 2004
```